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MISCELLANEOUS PUBLICATION No. 60

Issued November, 1929
Revised December, 1930

★ MAR 6 1931 ★

LIST OF
AVAILABLE PUBLICATIONS

OF THE
UNITED STATES
DEPARTMENT OF AGRICULTURE

DECEMBER 1, 1930

*Arranged Alphabetically
by Subjects*

Compiled by

JOHN O. RILEY

In charge, Miscellaneous Distribution Section
Division of Publications
Office of Information

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EDITION



UNITED STATES
DEPARTMENT OF AGRICULTURE
WASHINGTON, D. C.

1931



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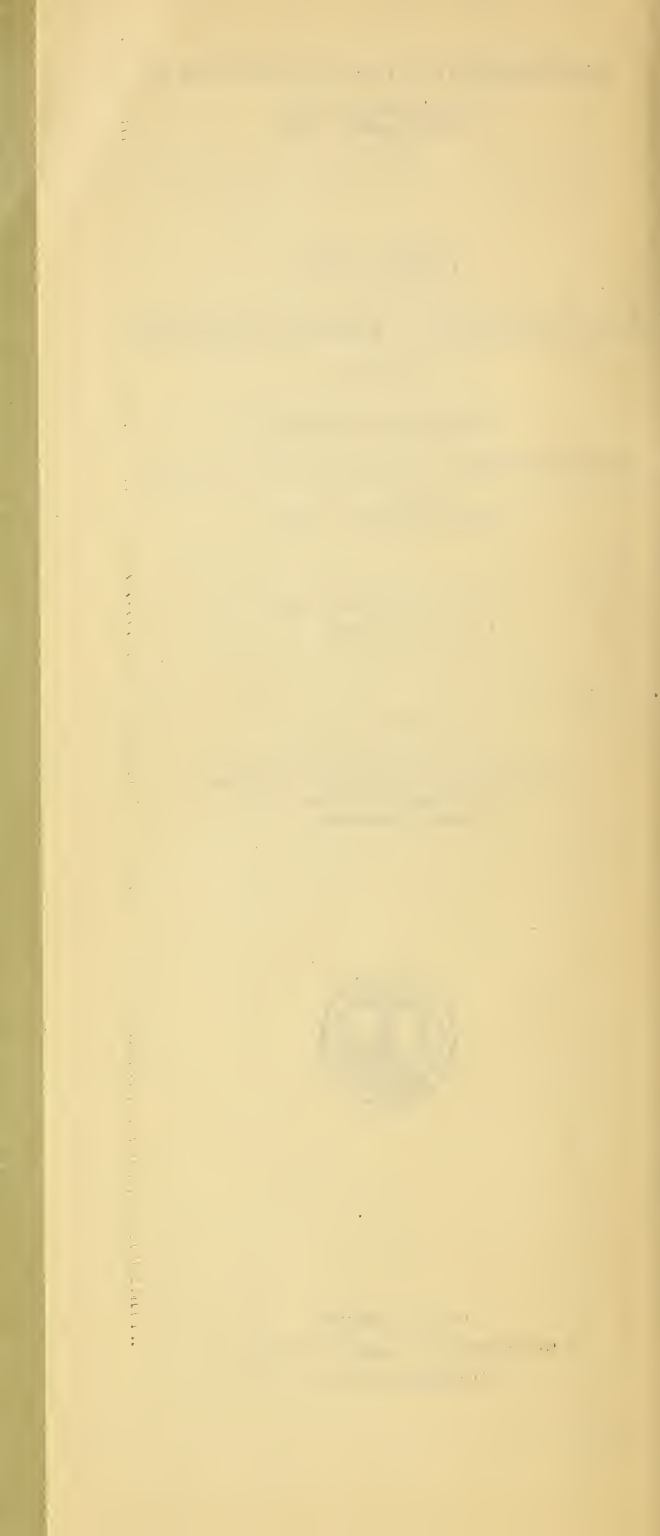
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UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1931



409304

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Do not send money or stamps to the department in payment for publications or information.

ORDERS FOR PUBLICATIONS FOR SALE ONLY

Address your order, inclosing the proper remittance, to the Superintendent of Documents, Government Printing Office, Washington, D. C. Remittances should be made in the form of a postal money order, express money order, or New York draft. Do not send postage stamps, or foreign money. Currency is sent only at the sender's risk.

No charge is made for postage on publications forwarded to points in the United States and its possessions, or to Canada, Cuba, Mexico, Panama Canal Zone, and the Republic of Panama. For delivery to other foreign countries add for postage one-third of the advertised price.

Do not return this list in requesting or ordering publications, but write a list of those you desire when you send your letter.

SPECIAL.—It is earnestly requested that when ordering more than one publication, the correspondent arrange his list so that numbers designating the bulletins wanted will appear in consecutive order. This will greatly expedite the handling of the request.

NATURE AND SCOPE OF THE DIFFERENT SERIES

The various series of publications issued by the department are here listed in alphabetical order.

CIRCULARS

The circular series carries semitechnical material of a somewhat informal and general nature. In the Technical Bulletin series is published the more technical material. The circular series was formerly known as the department circular series, which ended with No. 425.

FARMERS' BULLETINS

Farmers' bulletins cover a wide range of subject matter and are of interest to a great many groups of persons. They are written in popular language easily understood by the layman.

The distribution of four-fifths of all farmers' bulletins is in the hands of Members of Congress and only one-fifth are assigned to the United States Department of Agriculture for distribution. Requests may be made to your United States Senator or the Representative from your district or to the Department of Agriculture.

INVENTORIES OF SEEDS AND PLANTS IMPORTED

This series is a record of new or little-known seeds and plants procured mostly from abroad for the use of the department, State experiment stations, and for distribution to experimenters in appropriate

locations throughout the United States and its possessions. These publications are intended for distribution to the agricultural experiment stations and to the more important private cooperators. There are four issues a year, each covering a 3-month period.

LEAFLETS

A new series of publications called "Leaflets" has been started which carries popular material of the same general character as the farmers' bulletin series, except that the leaflets are confined to specific practical directions and recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and limited to eight pages in length. Much of the material now being published in farmers' bulletins will be condensed and published in this form.

MISCELLANEOUS PUBLICATIONS

This series includes publications of a miscellaneous nature which do not fall within any of the other series of the department. They were formerly called the miscellaneous circular series, which ended with No. 110.

NORTH AMERICAN FAUNA

This is a technical series of the Bureau of Biological Survey, devoted principally to revisions of genera of mammals and to biological surveys of States and other major areas. These publications are of interest chiefly to professional biologists.

SOIL SURVEYS

Soil survey reports consist of two parts: (1) A soil map in colors, showing the extent and distribution of the different soils in the area covered by the survey; (2) a printed report, containing brief descriptions of the area, its climate and agriculture, and detailed description of the soils.

STATISTICAL BULLETINS

Statistical bulletins consist of tables giving statistics relating to one or more closely related agricultural commodities. They also include, in so far as possible, statistics of production, movement from the farm, receipts at principal markets, reshipments, farm and market prices, exports and imports, production in foreign countries, and foreign-market prices. They are of interest to persons actually engaged in agricultural work, particularly marketing, or any business affected by agricultural production and marketing.

TECHNICAL BULLETINS

Results of the scientific and research work of the United States Department of Agriculture are printed in the technical bulletin series, which is intended for distribution chiefly to scientists and subject-matter specialists. In most cases a comparatively small edition is printed, and only a limited number is available for free distribution. Formerly these publications were called the department bulletin series, which ended with No. 1500.

YEARBOOK

The Yearbook of the department contains a general report of the operations of the department during the preceding calendar year, and articles of special interest and instruction to the farmers of the country. Selected articles in the Yearbook are reprinted in separate form. Available articles are listed in the subject list of publications.

PERIODICAL PUBLICATIONS

The following is a brief description of each periodical issued by the United States Department of Agriculture. The free mailing list is limited to not more than 2,000 addresses, outside of its employees and cooperators, for each periodical.

If an individual is engaged in work along agricultural lines and desires to be listed to receive any of these series, it will be necessary for him to furnish a description of nature and scope of the work with his application. The department will then notify him whether or not it can comply with the request.

The Superintendent of Documents, Government Printing Office, Washington, D. C., maintains a subscription list for all periodical publications, and in case a person can not be placed on the free list, he can, by sending the necessary remittance to that official, be placed on the subscription list.

AGRICULTURAL SITUATION

The Agricultural Situation, a 24-page bulletin issued monthly by the Bureau of Agricultural Economics, contains a brief general summary of current agricultural conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products. Its general purpose is to furnish extension workers and others with a very concise picture of economic conditions in agriculture from month to month. Free distribution is limited to department employees, State agricultural college workers, cooperators, libraries, and the press. 25¢ a year, domestic; 40¢ a year, foreign.

CLIMATOLOGICAL DATA

Climatological Data contains complete weather statistics from 42 separate sections, corresponding, as a rule, to a State, and is issued monthly, with an annual summary. One section, 5¢ a month, 50¢ a year. Forty-two sections, 35¢ a month, \$4 a year, including annual summary. Annual summary for the 42 sections, 50¢.

CLIP SHEET

The Clip Sheet is made up of short, interesting stories concerning the work of the United States Department of Agriculture and the application of new ideas and discoveries in the field of agriculture. From 8 to 10 stories, varying from fillers of a few lines to articles of 200 to 300 words, are included in each weekly issue. Free distribution to newspapers and other interested publications and writers. (No subscription list.)

CROPS AND MARKETS

Crops and Markets contains statistics concerning crops and livestock estimates and market information. It contains reports on supplies, stocks, commercial movements, condition and prices of agricultural products covered in the work, of marketing and crop estimating, and studies of prices and demand both foreign and domestic. It is of particular interest to economists, statisticians, and persons whose business is affected by agricultural production and marketing. Free distribution is restricted to collaborators with the department. Issued monthly. 60¢ a year, domestic; 85¢ a year, foreign.

EXPERIMENT STATION RECORD

The Experiment Station Record is a technical review of the world's scientific literature pertaining to agriculture. It is issued in two volumes a year of 10 numbers each, and each volume contains about 3,500 abstracts of current research in the various fields of agriculture, together with brief notes on the progress of agricultural education and research and monthly editorials dealing with some phase of its advancement.

The Record is particularly designed for the use of research workers, teachers, extension specialists, and others desiring to keep abreast of the new information in the various fields of agriculture, and as a work of reference for ascertaining the status of research in these fields since it began publication in 1889. Free distribution is restricted mainly to workers in agricultural colleges and experiment stations and similar institutions, libraries, and exchanges. 10¢ a copy; 75¢ a volume, domestic; \$1.25 a volume, foreign.

EXTENSION SERVICE REVIEW

The Extension Service Review, a monthly magazine issued by the Extension Service, is published in the interests of workers and cooperators of the Department of Agriculture engaged in extension activities. It contains official statements and other information necessary to the performance of their duties and is issued free to them by law. Others may obtain copies of the Review from the Superintendent of Documents, Government Printing Office, Washington, D. C., by subscription at the rate of 50¢ a year, domestic (single copies, 5¢ each), and 75¢ foreign. Postage stamps will not be accepted in payment.

FOREST WORKER

The Forest Worker, a bimonthly magazine of 32 pages, is published in the interest of an interchange of information and ideas among State forestry organizations, extension foresters, forest schools, forestry associations, the United States Forest Service, and all organizations and individuals interested in forestry. It is devoted especially to news of State forestry work, forestry education and extension, and private forestry. It presents also news of the work of the Forest Service and of developments in the general field of forestry both in the United States and in foreign countries, and notices and reviews of books, bulletins, and magazine articles on forestry and allied subjects. Distribution

is free to certain Government officials and employees, State forestry and conservation officials, extension directors, forest schools, and forestry associations. 5¢ a copy, 25¢ a year, domestic; 7¢ a copy, 35¢ a year, foreign.

JOURNAL OF AGRICULTURAL RESEARCH

The Journal of Agricultural Research is a semi-monthly publication containing articles on technical agricultural research carried on by the United States Department of Agriculture or the State experiment stations, or both cooperatively. It is therefore of primary interest only to agricultural scientists and advanced students. Free distribution of the Journal is limited to certain libraries and to institutions or departments doing research work. 20¢ a copy, \$4 a year, domestic; \$5 a year, foreign.

Each article in the Journal is reprinted as a "separate." These reprints or separates are distributed free to those desiring them as long as the limited supply lasts. Anyone interested can have his name placed on a mailing list to receive notice of the issuance of articles on the subjects in which he is interested. Requests to be placed on this list should specify the subjects concerning which it is desired to keep informed.

MONTHLY LIST OF PUBLICATIONS

This list is issued approximately on the twentieth day of each month, and gives the titles and description of each publication issued during the preceding month. Anyone so desiring will be listed to receive it as issued free of charge.

MONTHLY WEATHER REVIEW

The Monthly Weather Review contains contributions from the research staff of the Weather Bureau and special contributions of a general character on meteorology and climatology; also climatological data for Weather Bureau stations. 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.

OFFICIAL RECORD

The Official Record contains official orders and miscellaneous information concerning the activities of the department, and such other matter as should be brought to the attention of employees and others who have to do with the department's work. Issued weekly. 50¢ a year, domestic; \$1.10 a year, foreign.

PUBLIC ROADS

Public Roads is a monthly periodical dealing with highway research. The results of investigations relating to the physical and economic problems of road building conducted by the Bureau of Public Roads and contributors outside of the bureau are made available to road builders through this medium. Free distribution is restricted to State and county officials actually engaged in planning or constructing public highways, instructors in highway engineering, and periodicals upon an exchange basis. 10¢ a copy, \$1 a year, domestic; \$1.50 a year, foreign.

SNOW AND ICE BULLETIN

The Snow and Ice Bulletin gives synopsis of snowfall and ice in United States, showing areas covered by snow, depth of snow, thickness of ice in rivers, etc. Of value to those interested in winter-wheat crop, ice dealers, and to manufacturers of articles, the sale of which is affected by presence or absence of snow and ice. Issued weekly for 18 weeks during winter season. 50¢ a season.

WEEKLY WEATHER AND CROP BULLETIN

The Weekly Weather and Crop Bulletin gives detailed weather conditions of the preceding week and their effect on the development of crops and farm operations; shows variation of temperature and rain, fall from normal week, total rainfall for the season in comparison with normal, and discusses amount of sunshine and cloudiness. 50¢ a year.

SERVICE AND REGULATORY ANNOUNCEMENTS

Service and Regulatory Announcements contain such notices of judgment, decisions, and other information needed in the enforcement of regulatory acts. They are issued as necessary by the Bureau of Agricultural Economics, the Bureau of Animal Industry, the Bureau of Biological Survey, the Bureau of Dairy Industry, the Bureau of Plant Industry, the Plant Quarantine and Control Administration, and the Food, Drug, and Insecticide Administration. Free distribution is limited to public officials whose duties make it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements. The Bureau of Animal Industry issues one announcement each month, and the Superintendent of Documents carries a subscription list at 25¢ a year domestic and 40¢ a year foreign. Other bureaus issue announcements at irregular intervals; the price for each issue is 5¢ a copy.

SUBJECT LIST

AGRICULTURAL INSTRUCTION, BUDGETING, AND ACCOUNTING

(See also under Visual Education Material)

Farmers' Bulletins:

- 511 F. Farm bookkeeping. 5¢
- 572 F. System of farm cost accounting. 5¢
- 586 F. Collection and preservation of plant material for use in the study of agriculture. 5¢.
- 782 F. Diary for farm accounts. 5¢.
- 1066 F. Determining the age of cattle by the teeth. 5¢.
- 1068 F. Judging beef cattle. 5¢.
- 1088 F. Selecting a farm. 5¢.
- 1139 F. Analyzing the farm business. 5¢.
- 1182 F. Farm inventories.
- 1199 F. Judging sheep. 5¢.
- 1455 F. Fitting, showing, and judging hogs. 5¢.
- 1553 F. Planning family expenditures. 5¢.
- 1564 F. Farm budgeting. 5¢.
- 1601 F. Collection and preservation of insects for use in the study of agriculture. 5¢.
- 1614 F. Business records for poultry keepers. 5¢.

Department Bulletins:

- *258 D. Lessons in elementary agriculture for Alabama schools by months. 5¢.
- *281 D. Correlating agriculture with public-school subjects in Northern States. 10¢.
- *355 D. Extension course in soils, for self-instructed classes in movable schools of agriculture. 10¢.
- *504 D. Theory of correlation as applied to farm-survey data on fattening baby beef. 5¢.
- *540 D. First-year course in home economics for southern agricultural schools. 10¢.
- *559 D. Accounting records for country creameries. 5¢.
- *592 D. Courses in secondary agriculture for southern schools, third and fourth years. 5¢.
- *784 D. Lessons on potatoes for elementary rural schools. 5¢.
- *811 D. System of bookkeeping for grain elevators. 20¢.

Department Circulars:

- *67 DC. How teachers may use Farmers' Bulletin 602, Clean milk, production and handling. 5¢.
- 107 DC. System of field and office records for county extension workers. 5¢.
- *155 DC. How teachers may use Farmers' Bulletin 1087, Beautifying the farmstead. 5¢.
- *156 DC. How teachers may use Farmers' Bulletin 1175, Better seed corn. 5¢.
- 157 DC. How teachers may use Farmers' Bulletin 1148, Cowpeas, culture and varieties. 5¢.
- 250 DC. Educational milk-for-health campaigns. 10¢.

Miscellaneous Circulars:

- 3 MC. Relation of agricultural education to farm organizations. 5¢.
- 21 MC. Posters prepared by school children in milk-for-health programs. 5¢.
- 90 MC. Score cards for judging clothing, selection and construction. 5¢.

Miscellaneous Publications:

- 3 MP. Editorial policy regarding Journal of Agricultural Research. 5¢.
- *36 MP. A history of agricultural education in the United States. \$1.00.
- 72 MP. Lantern slides and film strips of the U. S. Department of Agriculture. 5¢.
- 85 MP. Horticultural exhibitions. 10¢.
- 86 MP. Outlines for studies of mammalian life history. 5¢.
- 88 MP. The United States Department of Agriculture: Its growth, structure, and functions. 25¢.
- 91 MP. Film strips of the U. S. Department of Agriculture. 5¢.

Yearbook Separates:

- *607 Y. Agriculture in public high schools. 5¢.
- *635 Y. Story of the thermometer and its uses in agriculture. 5¢.
- *735 Y. Value of records of the farmer. 5¢.
- *736 Y. Teamwork between the farmer and his agent. 5¢.
- *832 Y. Science seeks the farmer. 5¢.

United States Radio Farm School Lessons.

(A group of printed lessons prepared by specialists of the Department, which supplement the United States Radio Farm School talks broadcast by various stations.)

R. F. S. Dairy Short Courses:

- No. 1. Dairy Herd Improvement.
- No. 2. Better Milk Production.
- No. 3. Feeding Dairy Cattle.
- No. 4. Dairy Herd Management.
- No. 5. Engineering, Barns and Equipment.

R. F. S. Livestock Short Courses:

- No. 1. Livestock Breeding.
- No. 2. Livestock Feeding.
- No. 3. Animal Health and Sanitation.

R. F. S. Poultry Short Courses:

- No. 1. Fall Poultry Management Problem.
- No. 2. Poultry Houses.
- No. 3. Management of Poultry Breeding Stock.
- No. 4. Exhibiting Fowls; Lice and Mites.
- No. 5. Incubation.
- No. 6. Common Poultry Diseases and Worms.

R. F. S. Farm Economics Series:

- No. 1. The Business of Farming.
- No. 2. Marketing.
- No. 3. Cooperative Marketing.

Publications preceded by an asterisk (*) are not for free distribution.

ALFALFA

Farmers' Bulletins:

- 944 F. Garden webworm in alfalfa fields.
- 982 F. Green clover worm in alfalfa fields. 5¢.
- 1094 F. Alfalfa caterpillar. 5¢.
- 1229 F. Utilization of alfalfa. 5¢.
- 1283 F. How to grow alfalfa. 5¢.
- 1467 F. Commercial varieties of alfalfa. 5¢.
- 1528 F. Control of alfalfa weevil. 5¢.
- 1539 F. High-grade alfalfa hay: Methods of producing, baling, and loading for market. 5¢.
- 1630 F. Irrigation practices in growing alfalfa. 5¢.

Department Bulletins:

- *889 D. Clover stem-borer as an alfalfa pest. 5¢.
- *1087 D. Alfalfa root studies. 10¢.
- 1418 D. Fertilizer experiments with alfalfa conducted at United States Yuma Field Station, Bard, Calif., 1919 to 1925. 5¢.
- 1424 D. Comparative shrinkage in weight of alfalfa cured with leaves attached and removed. 5¢.

Department Circulars:

- *93 DC. Development of the Peruvian alfalfa industry in United States. 5¢.
- 297 DC. Eelworm disease; a menace to alfalfa in America. 5¢.
- *301 DC. Introduction of parasites of alfalfa weevil into United States. 5¢.
- *425. DC. Some observations on some alfalfa root troubles. 5¢.

Circulars:

- 39 C. Bacterial wilt and winter injury of alfalfa. 5¢.

Yearbooks:

- *1098 Y. Alfalfa and red clover yellowed by leaf-hopper attack. 5¢.

ANIMAL BREEDING

(See also under name of animal)

Farmers' Bulletins:

- 525 F. Raising guinea pigs. 5¢.
- 1167 F. Essentials of animal breeding. 5¢.

Department Bulletins:

- 905 D. Principles of livestock breeding. 15¢.
- *1121 D. Effects of inbreeding and crossbreeding on guinea pigs: 3. Crosses between highly inbred families. 15¢.
- 1372 D. Transmitting ability of 23 Holstein Friesian sires. 5¢.

Technical Bulletins:

- 103 T. The persistence of differentiation among inbred families of guinea pigs. 10¢.

Department Circulars:

- 368 DC. Better cows from better sires, study of cowtesting association records of dams and their daughters. 5¢.

Miscellaneous Publications:

- 34 MP. United States Animal Husbandry Experiment Farm, Beltsville, Md. 10¢.

Yearbook Separates:

- 985 Y. Bulls bred pure replace scrubs in more counties. 5¢.
- 990 Y. Animal husbandry cooperation yields results in research. 5¢.

APPLES

Farmers' Bulletins:

- 662 F. Apple-tree tent caterpillar. 5¢.
- 675 F. Roundheaded apple-tree borer. 5¢.
- 938 F. Apple bitter rot and its control. 5¢.
- 1065 F. Flat-headed apple-tree borer. 5¢.
- 1080 F. Preparation of barreled apples for market. 5¢.
- 1120 F. Control of apple powdery mildew. 5¢.
- 1160 F. Diseases of apples in storage. 5¢.
- 1204 F. Northwestern apple-packing houses. 5¢.
- 1270 F. Important apple insects. 15¢.
- 1284 F. Apple-orchard renovation. 5¢.
- 1360 F. Apple growing east of the Mississippi. 10¢.
- 1380 F. Apple scald and its control. 5¢.
- 1457 F. Packing apples in boxes. 5¢.
- 1478 F. Apple scab. 5¢.
- 1479 F. Apple blotch. 5¢.

Department Bulletins:

- *500 D. Cost of producing apples in western Colorado, detailed study made in 1914-15. 10¢.
- *587 D. Handling and storage of apples in Pacific Northwest. 15¢.
- *684 D. Sources of apple bitter rot infections. 10¢.
- *851 D. Cost of producing apples in five counties in western New York, 1910-1915. 10¢.
- *1006 D. Accounting records for sampling apples by weight. 5¢.

Publications preceded by an asterisk (*) are not for free distribution.

Department Bulletins—Continued.

- *1104 D. Internal browning of the yellow Newtown apple. 10¢.
- 1166 D. Apple by-products as stock foods. 5¢.
- *1253 D. Diseases of apples on the market. 5¢.
- 1406 D. Ripening, storage, and handling of apples. 20¢.
- 1415 D. Marketing western boxed apples. 20¢.
- 1416 D. Marketing barreled apples. 20¢.
- 1448 D. Picking maturity of apples in relation to storage. 5¢.
- 1455 D. Incomes from farming and cost of apple production in Shenandoah Valley and Frederick Co., Va. 10¢.

Technical Bulletins:

- 54 T. Factors influencing yield of apples in Cumberland-Shenandoah region of Pennsylvania, Virginia, and West Virginia. 10¢.
- 66 T. Apple maggot. 15¢.

Department Circulars:

- 376 DC. Method for control of crown gall in apple nursery. 5¢.
- *396 DC. Control of apple scald with shredded oiled paper. 5¢.
- 413 DC. Extent and causes of rejections of boxed apples from State of Washington, seasons 1922 to 1925. 5¢.

Circulars:

- 91 C. Market supplies and prices of apples. 15¢.
- 95 C. Subsoil an important factor in the growth of apples in the Ozarks. 10¢.

Yearbook Separates:

- 941 Y. Apple trees attacked by cedar rust. 5¢.
- *1017 Y. Apples and pears are often injured when boxed in Douglas fir. 5¢.

BEANS

Farmers' Bulletin:

- 289 F. Beans. 5¢.
- 1509 F. Bean growing: E. Wash., E. Oregon, N. Idaho. 5¢.
- 1624 F. The Mexican bean beetle in the East and its control. 5¢.

Department Bulletins:

- *843 D. The bean ladybird. 10¢.
- *1194 D. Chemical and structural study of mesquite, carob, and honey locust beans. 5¢.

Technical Bulletins:

- 186 T. Bacterial blight of beans caused by *Bacterium phaseoli*. 10¢.

Department Circulars:

- *92 DC. The jack bean. 5¢.

Miscellaneous Publications:

- 16 MP. Save the beans (from deterioration in transit). 5¢.

BEES AND HONEY

Farmers' Bulletins:

- 447 F. Bees. 5¢.
- 653 F. Honey and its uses in the home. 5¢.
- 695 F. Outdoor wintering of bees. 5¢.
- 961 F. Transferring bees to modern hives. 5¢.
- 975 F. Control of European foulbrood. 5¢.
- 1012 F. Preparation of bees for outdoor wintering. 5¢.
- 1014 F. Wintering bees in cellars. 5¢.
- 1039 F. Comb-honey production. 5¢.
- 1084 F. American foulbrood control. 5¢.
- 1198 F. Swarm control. 5¢.
- 1215 F. Beekeeping in the clover region. 5¢.
- 1216 F. Beekeeping in the buckwheat region. 5¢.
- 1222 F. Beekeeping in the tulip-tree region. 5¢.

Department Bulletins:

- *804 D. Study of behavior of bees in colonies affected by European foulbrood. 5¢.
- *809 D. American foulbrood. 15¢.
- *810 D. European foulbrood. 10¢.
- *988 D. Heat production of honeybees in winter. 5¢.
- *1328 D. Flight activities of the honeybee. 10¢.
- *1339 D. Effect of weather upon change in weight of colony of bees during honey flow. 10¢.
- *1349 D. Brood-rearing cycle of the honeybee. 10¢.
- *1364 D. Effects on honeybees of spraying fruit trees with arsenicals. 5¢.

Technical Bulletins:

- 149 T. Fungus disease of the honeybee. 15¢.

Department Circulars:

- 218 DC. Occurrence of diseases of adult bees, I. 5¢.
- 222 DC. Insulating value of commercial double-walled beehives. 5¢.
- 284 DC. Sterilization of American foulbrood combs. 5¢.
- 287 DC. Occurrence of diseases of adult bees, II. 5¢.
- *334 DC. Bee-louse, *Braula coeca*, in United States. 5¢.

Circulars:

- 24 C. United States grades, color standards, and packing requirements for honey, recommended by Department of Agriculture. 5¢.

BERRIES

Farmers' Bulletins:

- 860 F. Cranberry-insect problems, suggestions for solving them. 5¢.
- 887 F. Raspberry culture. 5¢.
- 901 F. Everbearing strawberries. 5¢.
- 998 F. Culture of Logan blackberry and related varieties. 5¢.
- 1026 F. Strawberry culture, So. Atlantic and Gulf coast regions. 5¢.
- 1027 F. Strawberry culture, western United States. 5¢.
- 1028 F. Strawberry culture, eastern United States. 5¢.
- 1043 F. Strawberry varieties. 5¢.
- 1398 F. Currants and gooseberries: Their culture and relation to white-pine blister rust. 10¢.
- 1399 F. Blackberry growing. 5¢.
- 1400 F. Establishing cranberry fields. 5¢.
- 1401 F. Managing cranberry fields. 5¢.
- 1402 F. Cranberry harvesting and handling. 5¢.
- 1403 F. Dewberry growing. 5¢.
- 1458 F. Strawberry diseases. 5¢.
- 1488 F. Diseases of raspberries and blackberries. 10¢.
- 1560 F. Preparing strawberries for market. 5¢.

Department Bulletins:

- 263 D. Cranberry rootworm. 5¢.
- 274 D. Factors governing successful shipment of red raspberries from Puyallup Valley. 10¢.
- *444 D. False blossom of cultivated cranberry. 5¢.
- *531 D. Rhizopus rot of strawberries in transit. 5¢.
- *554 D. Cranberry girdler. 10¢.
- *714 D. Spoilage of cranberries after harvest. 5¢.
- *960 D. Relation of water raking to keeping quality of cranberries. 5¢.
- 974 D. Directions for blueberry culture, 1921. 30¢.
- *1032 D. The blackhead fireworm of cranberry on Pacific coast. 15¢.
- 1434 D. Cranberry disease investigations on Pacific coast. 5¢.

Technical Bulletins:

- 122 T. Development of runners and runner plants in the strawberry. 10¢.
- 180 T. Origin and distribution of the commercial strawberry crop. 25¢.

Department Circulars:

- 227 DC. Eastern blue-stem of black raspberry. 5¢.
- *309 DC. Spraying strawberries for the control of fruit rots. 5¢.
- 320 DC. The Van Fleet raspberry, new hybrid variety. 5¢.
- 402 DC. Diseases of strawberries on the market. 5¢.

Circulars:

- 93 C. The Blakemore strawberry. 10¢.
- 123 C. A comparative study of dusting by means of airplane and ground machine for the control of the blueberry maggot. 5¢.

Yearbook Separates:

- 995 Y. Dewberry of Young variety has excellent qualities. 5¢.
- 996 Y. Raspberry of Van Fleet variety thrives in South. 5¢.
- 1018 Y. Cranberries used in trial forecasts as to keeping quality. 5¢.

BIBLIOGRAPHIES

Department Bulletins:

- *1199 D. List of bulletins of agricultural experiment stations in United States from their establishment to the end of 1920. 20¢.
- Supplement 2. List of bulletins for calendar years 1923 and 1924. 10¢.
- Supplement 3. List of bulletins for calendar years 1925 and 1926. 10¢.
- 1314 D. Bibliography relating to soil alkalies. 10¢.
- 1330 D. Abbreviations employed in experiment station record for titles of periodicals. 20¢.

Department Circulars:

- 187 DC. List of serials currently received in library of Department of Agriculture, January 1, 1922. 25¢.

Miscellaneous Circulars:

- 35 MC. Bibliography on marketing of agricultural products. 10¢.
- 46 MC. Bibliography of the European corn borer. 10¢.
- *103 MC. Publications of Department of Agriculture, February 1, 1927. 15¢.

Miscellaneous Publications:

- 9 MP. List of publications of Department of Agriculture from January, 1901, to December, 1925, compiled by comparison with originals. 25¢.
- 49 MP. Directory of field activities of the Bureau of Biological Survey. 10¢.
- 60 MP. List of available publications of the United States Department of Agriculture, December, 1930. 10¢.
- 62 MP. Bibliography on the relation of clothing to health. 25¢.
- *63 MP. List of technical workers in the Department of Agriculture, and outline of department functions, 1929. 15¢.

Miscellaneous Publications—Continued.

- 64 MP. Directory of the field activities of the bureau of Plant Industry. 15¢.
 *65 MP. List of bulletins of the agricultural experiment stations for the calendar years 1927-28. 15¢.
 67 MP. Workers in subjects pertaining to agriculture in State agriculture colleges and experiment stations, 1929-30. 20¢.
 88 MP. The United States Department of Agriculture: Its growth, structure, and functions. 25¢.
 89 MP. Classified list of projects of the agricultural experiment stations, 1930. 25¢.
 93 MP. List of technical workers in the Department of Agriculture and outline of department functions, 1930. 20¢.

BIRDS**Farmer's Bulletins:**

- 493 F. English sparrow as a pest. 5¢.
 497 F. Game, aquatic, and rapacious birds in relation to man. 5¢.
 506 F. Food of well-known birds. 5¢.
 621 F. Attracting birds in northeastern United States. 5¢.
 630 F. Birds useful to the farmer. 5¢.
 684 F. Squab raising. 5¢.
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 760 F. Attracting birds in northwestern United States. 5¢.
 844 F. Attracting birds, Middle Atlantic States. 5¢.
 912 F. Attracting birds, East Central States. 5¢.
 1102 F. Crow in relation to agriculture. 5¢.
 1239 F. Community bird refuges. 5¢.
 1327 F. Canaries, care and management. 5¢.
 1373 F. Homing pigeons, their training. 5¢.
 1456 F. Homes for birds. 5¢.
 *1521 F. Propagation of game birds. 10¢.
 1571 F. European starling in United States. 5¢.

Department Bulletins:

- 128 D. Distribution and migration of North American rails and their allies. 10¢.
 *185 D. Bird migration. 10¢.
 *619 D. Food habits of swallows, family of valuable native birds. 5¢.
 *1165 D. Report on bird censuses in United States, 1916-1920. 5¢.
 1196 D. Food and economic relations of North American grebes. 5¢.
 *1249 D. Food habits of some winter bird visitants. 10¢.
 *1268 D. Returns from banded birds, 1920 to 1923. 10¢.
 *1355 D. Food habits of the vireos, family of insectivorous birds. 10¢.
 1359 D. Food of American phalaropes, avocets, and stilts. 10¢.

Technical Bulletins:

- 24 T. Magpie in relation to agriculture. 10¢.
 26 T. Our migrant shorebirds in southern South America. 5¢.
 *32 T. Returns from banded birds, 1923 to 1926. 20¢.
 49 T. Nematodes of pathological significance found in some economically important birds in North America. 5¢.
 61 T. B. Wild birds introduced or transplanted in North America. 10¢.

Miscellaneous Circulars:

- 13 MC. Local names of migratory game birds. 25¢.
 *18 MC. Instructions for banding birds. 10¢.

Circulars:

- 96 C. Game birds suitable for naturalization in the United States. 10¢.

Miscellaneous Publications:

- 58 MP. Manual for bird banders. 30¢.

Leaflets:

- 36 L. Gourds for bird houses. 5¢.
 61 L. English sparrow control. 5¢.

Yearbook Separates:

- *785 Y. Federal protection of migratory birds. 5¢.
 843 Y. Farm help from the birds. 5¢.

BROOMCORN**Farmers' Bulletins:**

- 1631 F. Broomcorn growing and handling. 10¢.

Department Bulletins:

- *836 D. Broomcorn experiments at Woodward, Okla. 1920. 10¢.
 *1019 D. Marketing broomcorn. 10¢.

Technical Bulletins:

- 51 T. Broomcorn experiments at United States Dry-land Field Station, Woodward, Okla. 1928. 10¢.

CABBAGE**Farmers' Bulletins:**

- 433 F. Cabbage. 5¢.
 1061 F. Harlequin cabbage bug and its control. 5¢.
 1423 F. Preparing cabbage for market. 5¢.
 1439 F. Diseases of cabbage and related plants. 10¢.
 1461 F. The common cabbage worm and its control. 5¢.

Department Bulletins:

- *902 D. The western cabbage flea beetle. 5¢.
- *1029 D. Seed treatment and rainfall in relation to the control of cabbage blackleg. 10¢.
- *1242 D. Marketing cabbage. 15¢.

Department Circulars:

- 311 DC. Cabbage-seed treatment. 5¢.

CANNING, DRYING, PICKLING, AND PRESERVING (COMMERCIAL)

Department Bulletins:

- *196 D. Methods followed in commercial canning of foods. 10¢.
- 349 D. Raisin industry. 10¢.
- 956 D. Study of factors affecting temperature changes in the container during canning of fruits and vegetables. 15¢.
- *1022 D. Relation of initial temperature to pressure, vacuum, and temperature changes in the container during canning operations. 10¢.
- 1141 D. Evaporation of fruits. 10¢.
- 1265 D. Scalding, precooking, and chilling, as preliminary canning operations. 10¢.
- *1323 D. Citrus pectin. 5¢.
- *1335 D. Commercial dehydration of fruits and vegetables. 10¢.

Technical Bulletins:

- 84 T. Preservation of peaches for use in manufacture of ice cream. 5¢.
- 97 T. Relation of kernel density to table and canning quality in different varieties of maize. 5¢.
- 148 T. The frozen pack method of preserving berries in the Pacific Northwest. 10¢.
- 196 T. The canning quality of certain commercially important eastern peaches. 10¢.

CANNING, DRYING, PICKLING, AND PRESERVING (HOME)

Farmers' Bulletins:

- 900 F. Homemade fruit butters. 5¢.
- 984 F. Farm and home drying of fruits and vegetables. 5¢.
- 1438 F. Making fermented pickles. 5¢.
- 1471 F. Canning fruits and vegetables. 5¢.

Department Circulars:

- 254 DC. Homemade apple and citrus pectin extracts and their use in jelly making. 5¢.

Circulars:

- 13 C. Curing and preserving citron. 5¢.

Secretary's Office Circulars:

- 126 SC. Relation of dehydration to agriculture. 5¢.

CATTLE, BEEF

Farmers' Bulletins:

- 612 F. Breeds of beef cattle. 5¢.
- 1068 F. Judging beef cattle. 5¢.
- 1135 F. The beef calf, its growth and development. 5¢.
- 1395 F. Beef-cattle production in the range area. 10¢.
- 1415 F. Beef on the farm, slaughtering, cutting, curing. 5¢.
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- 1549 F. Feeding cattle for beef. 5¢.
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Department Bulletins:

- *25 D. Shrinkage in weight of beef cattle in transit. 10¢.
- 73 D. Raising and fattening beef calves in Alabama. 5¢.
- *588 D. Increased cattle production on southwestern ranges. 15¢.
- *628 D. Wintering and fattening beef cattle in North Carolina. 10¢.
- *631 D. Five years' calf-feeding work in Alabama and Mississippi. 10¢.
- *761 D. Comparison of concentrates for fattening steers in South. 5¢.
- *762 D. Comparison of roughages for fattening steers in South. 5¢.
- *827 D. Cut-over pine lands of the South for beef-cattle production. 15¢.
- 870 D. Effect of winter rations on pasture gains of yearling steers. 5¢.
- *954 D. Wintering and summer fattening of steers in North Carolina. 5¢.
- *1251 D. Effect of winter rations on pasture gains of 2-year-old steers. 10¢.
- 1318 D. Steer feeding in the sugarcane belt. 5¢.
- *1333 D. Fattening steers on velvet beans. 10¢.
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- *1431 D. Effect of winter rations on gains of calves marketed as 3-year-old steers. 5¢.

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Technical Bulletins:

- 23 T. Costs and methods of fattening beef cattle in the Corn Belt, 1919-1923. 20¢.
- 30 T. Fattening steers on dry-land crops of the Southwest. 5¢.
- 192 T. Wintering steers in the North-Central Great Plains. 5¢.
- 203 T. Beef production from purebred, grade, and native calves. 5¢.
- 208 T. Beef from calves fed grain before and after weaning. 10¢.

Department Circulars:

- 166 DC. Influence of winter rations on growth of steers on pasture. 5¢.
- 408 DC. Wintering beef cattle in Appalachian region. 5¢.

Circulars:

- 28 C. Market classes and grades of calves and vealers. 10¢.
- 62 C. The utilization of browse forage as summer range for cattle in southwestern Utah. 10¢.
- 65 C. Steer-feeding experiments in the sugarcane belt. 5¢.

Miscellaneous Circulars:

- 74 MC. Grading up beef cattle at Sni-A-Bar Farms. 10¢.

Yearbook Separates:

- 167 Y. Production of beef in the South. 10¢.
- 749 Y. Growth of beef-cattle industry in the South. 5¢.
- 874 Y. Our beef supply. 20¢.

CATTLE, DAIRY

Farmers' Bulletins:

- *743 F. Feeding dairy cows. 5¢.
- 1412 F. Care and management of dairy bulls. 5¢.
- 1422 F. Udder diseases of dairy cows. 5¢.
- 1443 F. Dairy cattle breeds. 5¢.
- 1470 F. Care and management of dairy cows. 10¢.
- 1532 F. Dairy-herd improvement. 5¢.
- 1604 F. Dairy-herd improvement associations and stories the records tell. 5¢.
- 1626 F. Feeding dairy cows. 5¢.

Department Bulletins:

- *945 D. Influence of calcium and phosphorus in the feed on the milk yield of dairy cows. 5¢.
- *1069 D. Relation of production to income from dairy cows. 5¢.
- *1071 D. Influence of season of freshening on production and income from dairy cows. 5¢.
- *1281 D. Relative utilization of energy in milk production and body increase of dairy cows. 10¢.
- *1352 D. Effect of age and development on butterfat production of register-of-merit Jersey and advanced-register Guernsey cattle. 5¢.
- 1372 D. Transmitting ability of 23 Holstein Friesian sires. 5¢.

Department Circulars:

- *7 DC. Trend of the dairy-cattle industry in the United States and other countries. 5¢.
- 371 DC. Use of camera in studying and development of dairy animals. 10¢.

Circulars:

- 1 C. Testing cows for production every other month. 5¢.
- 3 C. Proved dairy sires. 5¢.
- 6 C. Purebred dairy-sire introduction. 10¢.
- 26 C. Comparison of purebred and grade dairy cows. 5¢.
- 114 C. Within the breed the big dairy cows excel. 5¢.

Miscellaneous Circulars:

- 99 MC. Judging dairy cattle. 10¢.

Leaflets:

- 7 L. Feeding dairy cows in summer. 5¢.
- 10 L. Care of the dairy cow at calving time. 5¢.
- 14 L. Raising the dairy heifer. 5¢.
- 16 L. Purebred dairy sires. 5¢.

Miscellaneous:

- Your future herd. (D. D. E. 10).

CATTLE, MISCELLANEOUS

Farmers' Bulletins:

- 909 F. Cattle-lice eradication. 5¢.
- 1017 F. Cattle-scab control and eradication. 5¢.
- 1066 F. Determining the age of cattle by the teeth. 5¢.
- 1536 F. Infectious abortion of cattle. 5¢.
- 1596 F. Cattle grubs or heel flies with suggestions for their control. 5¢.
- 1625 F. Tick fever. 5¢.

Department Bulletins:

- *1031 D. Range and cattle management during drought. 20¢.
- *1358 D. Range watering places in Southwest. 15¢.
- 1464 D. Market classes and grades of cattle. 25¢.

Technical Bulletins:

- 45 T. Study of ranch organization and methods of range-cattle production in Northern Great Plains Region. 20¢.

Miscellaneous Circulars:

- 12 MC. A handbook for better feeding of livestock. 5¢.
26 MC. The cow tester's handbook. 5¢.

Circulars:

- 62 C. The utilization of browse forage as summer range for cattle in southwestern Utah. 10¢.

Miscellaneous Publications:

- 2 MP. Story of the cattle-fever tick; what every southern child should know about cattle ticks. 10¢.

Leaflets:

- 51 L. Improving cattle in areas freed of ticks. 5¢.

Yearbook Separates:

- 764 Y. Cattle loans and the value to investors. 5¢.

Miscellaneous:

- *Special report on diseases of cattle. 1924. \$1.
B. A. I. Circular 68. Diseases of the stomach and bowels of cattle. 5¢.

CITRUS FRUITS

Farmers' Bulletins:

- 794 F. Citrus fruit improvement. 5¢.
933 F. Spraying for control of insects and mites attacking citrus trees in Florida. 5¢.
1321 F. Fumigating citrus trees for insect-pest control. 10¢.
1333 F. Pruning citrus trees in the Southwest. 5¢.
1343 F. Culture of citrus fruits in Gulf States. 5¢.
1447 F. Citrus-fruit growing in Southwest. 10¢.

Department Bulletins:

- *623 D. Citrus-fruit improvement, study of bud variation in Washington naval orange. 15¢.
*813 D. Citrus-fruit improvement, study of bud variation in the Eureka lemon. 25¢.
*821 D. Frost protection in lemon orchards. 10¢.
924 D. Tear-stain of citrus fruits. 5¢.
*1117 D. Natural control of the citrus mealybug in Florida. 5¢.
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1159 D. Coloring Satsuma oranges in Alabama. 5¢.
1255 D. Inheritance of composition in fruit through vegetative propagation. Bud varieties of Eureka and Lisbon lemons. 5¢.
1290 D. Transportation of citrus fruit from Porto Rico. 5¢.
1367 D. Coloring citrus fruit in Florida. 5¢.
*1435 D. Economic aspects of citrus-fruit growing in Polk County, Fla. 10¢.
1474 D. Citrus melanose and its control. 20¢.
1483 D. Bud selection in Valencia orange, progeny tests of limb variations. 15¢.

Technical Bulletins:

- *15 T. Citrus insects of Japan. 5¢.
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176 T. The citrus mite and its control. 15¢.

Department Circulars:

- 206 DC. New feature of bud variation in citrus. 5¢.
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259 DC. Commercial control of citrus melanose. 5¢.
293 DC. Commercial control of citrus stem-end rot. 5¢.
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409 DC. Effect of spraying with fungicides on keeping quality of Florida citrus fruits. 5¢.

Yearbook Separates:

- *813 Y. Cooperative improvement of citrus varieties. 10¢.
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1000 Y. Citrus canker under control, final eradication is expected. 5¢.
1062 Y. Citrus decay less if care is used by grower, dealer, and consumers. 5¢.
1063 Y. Citrus specialists find new methods of propagation. 5¢.

CLOVERS

Farmers' Bulletins:

- 579 F. Crimson clover: Utilization. 5¢.
676 F. Hard clover seed treatment in hulling. 5¢.
693 F. Bur clover. 5¢.
1005 F. Sweet clover on Corn Belt farms. 5¢.
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1484 F. The clover-leaf weevil and its control. 5¢.
1510 F. Anthracnose as cause of red clover failure. 5¢.

16 MISCELLANEOUS PUBLICATION NO. 60

Department Bulletins:

- *844 D. Sweetclover seed. Pt. 1, Pollination studies of seed production. Pt. 2, Structure and chemical nature of the seed coat and its relation to impermeable seeds of sweetclover. 15¢.
- *922 D. Clover-leaf weevil. 5¢.
- 1426 D. Clover-root borer. 10¢.

Technical Bulletins:

- 28 T. Clover anthracnose caused by *Colletotrichum trifolii*. 15¢.

Leaflets:

- 23 L. Sweetclover. 5¢.

COLD STORAGE AND REFRIGERATION

Department Bulletins:

- 17 D. Refrigeration of dressed poultry in transit. 10¢.
- *98 D. Application of refrigeration to handling of milk. 10¢.
- *776 D. Cold-storage reports, season 1917-18. 10¢.
- 1086 D. Shrinkage of soft pork under commercial conditions. 10¢.
- 1133 D. Freezing temperature of some fruits, vegetables, and cut flowers. 5¢.
- *1353 D. Efficiency of short-type refrigerator car. 5¢.
- 1368 D. Cold storage of Florida grapefruit. 5¢.
- 1398 D. Comparative efficiency of wire-basket bunkers in refrigerator cars. 5¢.

Technical Bulletins:

- 193 T. Experiments on the processing and storing of Deglet Noor dates in California. 15¢.

Circulars:

- 73 C. The cold storage of eggs and poultry. 15¢.

Yearbook Separates:

- 745 Y. Service of cold storage in conservation of foodstuffs. 5¢.

CONSERVATION

Department Bulletins:

- *512 D. Prevention of erosion of farm lands by terracing. 15¢.

Technical Bulletins:

- 147 T. The habits and economic importance of alligators. 10¢.

Department Circulars:

- 112 D. C. Timber depletion and the answer. 5¢.

Circulars:

- 33 C. Soil erosion a national menace. 25¢.
- 63 C. Conservation of wastes from the small-scale slaughter of meat animals. 5¢.

Miscellaneous Publications:

- 51 MP. National wild-life reservations. 5¢.

Yearbook Separates:

- 723 Y. Great Plains waterfowl breeding grounds and their protection. 5¢.
- 836 Y. Conserving our wild animals and birds. 5¢.
- 856 Y. Putting wood waste to work. 5¢.
- 886 Y. Timber, mine or crop. 15¢.
- 895 Y. Our forage resources. 20¢.

CORN

Farmers' Bulletins:

- 414 F. Corn cultivation. 5¢.
- 553 F. Pop corn for the home. 5¢.
- 739 F. Cutworm control in corn and other cereal crops. 5¢.
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- 1124 F. Brown spot of corn, control suggestions. 5¢.
- 1149 F. Growing corn in Southeastern States. 5¢.
- 1175 F. Better seed corn. 5¢.
- 1176 F. Root, stalk, and ear rot diseases of corn. 5¢.
- 1310 F. Corn ear worm ravages and control suggestions. 5¢.
- 1548 F. European corn borer, status and control methods. 5¢.
- 1562 F. Farm practices under corn-borer conditions. 5¢.

Department Bulletins:

- *5 D. Southern corn rootworm, or budworm. 5¢.
- *48 D. Shrinkage of shelled corn while in cars in transit. 5¢.
- *168 D. Grade for commercial corn. 15¢.
- *307 D. Tests of corn varieties on the Great Plains. 5¢.
- *436 D. Desert corn flea-beetle. 5¢.
- *539 D. Lesser corn stalk-borer. 5¢.
- *754 D. Inheritance of waxy endosperm in maize. 15¢.
- 764 D. Factors influencing the carrying qualities of American export corn. 20¢.
- 925 D. Brachytic variation in maize. 20¢.
- *953 D. Nitrogen and other losses during the ensiling of corn. 5¢.
- *971 D. Inheritance of ramose inflorescence in maize. 20¢.

Department Bulletins—Continued.

- *1011 D. Effects of mutilating the seeds on the growth and productiveness of corn. 5¢.
- *1062 D. Relation of the character of the endosperm to the susceptibility of dent corn to root rotting. 5¢.
- *1157 D. Influence of spacing on productivity in single-ear and prolific types of corn. 5¢.
- *1209 D. Effects of selection on yield of a cross between varieties of corn. 5¢.
- *1267 D. Rough-headed cornstalk beetle. 10¢.
- *1300 D. Corn and hog correlations. 10¢.
- *1321 D. Statistical study of relation between seed-ear characters and productiveness in corn. 5¢.
- *1341 D. Effects of continuous selection for ear type in corn. 5¢.
- *1354 D. Productiveness of successive generations of self-fertilized lines of corn and of crosses between them. 10¢.
- 1396 D. Comparison of maize-breeding methods. 5¢.
- 1468 D. Variability in linkage of two seed characters of maize. 10¢.
- 1476 D. Progress report of investigations of European corn borer. 35¢.
- 1489 D. Corn breeding. 25¢.

Technical Bulletins:

- 10 T. Productiveness of corn as influenced by mosaic disease. 5¢.
- 59 T. European corn borer and its controlling factors in Europe. 10¢.
- 77 T. Host plants of European corn borer in New England. 30¢.
- 97 T. Relation of kernel density to table and canning quality in different varieties of maize. 5¢.
- 98 T. Imported parasites of European corn borer in America. 10¢.
- 120 T. Relation of husk covering to smut of corn ears. 5¢.
- 135 T. The corn borer in Central Europe. 20¢.
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Department Circulars:

- *333 DC. Handling soft-corn crops. 5¢.

Circulars:

- 14 C. Status of imported parasites of European corn borer. 5¢.
- 34 C. Chemical-dust seed treatments for dent corn. 5¢.
- 71 C. Heat and time of exposure necessary to kill larvae of the European corn borer in ear corn. 5¢.
- 132 C. Fighting the corn borer with machinery on two-generation area. 15¢.

Miscellaneous Circulars:

- 70 MC. Timely information about European corn borer. 5¢.
- *84 MC. How to fight European corn borer this fall. 5¢.
- 102 MC. Pertinent information regarding 1927 spring clean-up of areas quarantined on account of European corn borer, regulations, recommendations, suggestions, outline of plan, extra labor allowance, penalties, and assessments, equipment. 5¢.
- 104 MC. Spread and infestation by European corn borer during 1926. 5¢.

Miscellaneous Publications:

- 56 MP. Low-cutting devices for harvesting corn. 15¢.
- 69 MP. Construction of a sled-type corn stalk shaver. 5¢.

Secretary's Office Circulars:

- *105 SC. Method of sale of war emergency seed corn to farmers in certain States by Department of Agriculture. 5¢.

Yearbook Separates:

- *872 Y. The corn crop. 10¢.
- 953 Y. Corn breeding in new experiments. 5¢.
- *960 Y. Corn varieties resistant to rot disease. 5¢.

COST OF PRODUCTION STUDIES

(See also under name of subject)

Farmers' Bulletins:

- *1298 F. Cost of using horses on Corn Belt farms. 5¢.
- *1440 F. More profits for wheat farmers of central Kansas. 5¢.

Department Bulletins:

- *560 D. Cost of keeping farm horses and cost of horse labor, study of records for 316 horses on 27 farms in Illinois, Ohio, and New York. 5¢.
- *561 D. Feed cost of egg production, results of three years' experiments at Government poultry farm. 10¢.
- *627 D. Cost of harvesting wheat by different methods. 5¢.
- 858 D. Requirements and cost of producing market milk in north-western Indiana. 5¢.
- *919 D. Unit requirement for producing milk in western Washington. 5¢.
- *920 D. Farm profits, figures from the same farms for a series of years, Washington County, Ohio, Clinton County, Ind., and Dane County, Wis. 15¢.

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18 MISCELLANEOUS PUBLICATION NO. 60

Department Bulletins—Continued.

- 923 D. Unit requirements for producing market milk in Vermont. 5¢.
- *943 D. Cost of producing wheat on 481 farms in North and South Dakota, Minnesota, Kansas, Nebraska, and Missouri for the crop year 1919. 15¢.
- 955 D. Unit requirements for producing market milk in southeastern Louisiana. 5¢.
- *972 D. Unit requirements for producing market milk in eastern Nebraska. 5¢.
- *997 D. Cost and utilization of power on farms where tractors are owned, 286 farms, Ohio, Indiana, Illinois, 1920. 10¢.
- *1069 D. Relation of production to income from dairy cows. 5¢.
- 1101 D. Unit requirements for producing market milk in Delaware. 5¢.
- *1188 D. Costs and farm practices in producing potatoes on 461 farms in Minnesota, Wisconsin, Michigan, New York, and Maine for the crop year 1919. 10¢.
- 1198 D. Cost of producing winter wheat in Central Great Plains of United States. 10¢.
- 1381 D. Cost of producing hogs in Iowa and Illinois, 1921-22. 10¢.
- *1430 D. Financial limitation in employment of forest cover in protecting reservoirs. 15¢.
- 1446 D. Cost of producing winter wheat and incomes from wheat farming in Sherman County, Oreg. 10¢.
- 1447 D. Cost of using horses, tractors, and combines on wheat farms in Sherman County, Oreg. 10¢.
- *1454 D. Factors in cost of producing beef in Flint Hills section of Kansas. 5¢.
- 1455 D. Incomes from farming and cost of apple production in Shenandoah Valley and Frederick County, Va. 10¢.

Technical Bulletins:

- 23 T. Costs and methods of fattening beef cattle in the Corn Belt, 1919-1923. 20¢.
- *153 T. Effect of milk-plant arrangement and method of operation on labor requirements. 15¢.

Department Circulars:

- 307 DC. Method of testing farm-management and cost of production data for validity of conclusions. 5¢.

Miscellaneous Circulars:

- 93 MC. Direct production costs of broken stone. 25¢.

Secretary's Office Circulars:

- *132 SC. Report of committee to consider plan of organization, scope of work, and projects for Office of Farm Management and methods of procedure in making cost of production studies. 5¢.

Yearbook Separates:

- 876 Y. Cost data for farm products. 10¢.
- 925 Y. Farm management and costs, statistics. 10¢.
- 982 Y. Horses used in big teams give flexible power and cut costs. 5¢.

COTTON

Farmers' Bulletins:

- 501 F. Cotton improvement under weevil conditions. 5¢.
- 831 F. Red spider on cotton. 5¢.
- 890 F. How insects affect cotton plant and methods of combating them. 5¢.
- 1329 F. Boll-weevil problem. 5¢.
- 1384 F. Community cotton production. 5¢.
- 1432 F. Pima and upland cotton in Arizona. 5¢.
- 1465 F. Cotton ginning. 5¢.
- 1595 F. The bollworm or corn ear worm as a cotton pest. 5¢.

Department Bulletins:

- *146 D. Economic conditions in sea-island cotton industry. 5¢.
- *277 D. Cotton warehouse construction. 10¢.
- *311 D. Handling and marketing of Arizona-Egyptian cotton of Salt River Valley. 5¢.
- 375 D. Disadvantages of selling cotton in seed. 5¢.
- *457 D. Relation between primary market prices and qualities of cotton. 5¢.
- *476 D. Study of cotton market conditions in North Carolina. 5¢.
- *644 D. Lint percentage and lint index of cotton and methods of determination. 5¢.
- *946 D. Comparative spinning tests of Meade and sea-island cotton. 5¢.
- *948 D. Composition of cottonseed. 25¢.
- 985 D. System of accounting for cotton ginneries. 10¢.
- *990 D. Preliminary manufacturing tests of the official cotton standard of United States for color for upland tinged and stained cotton. 5¢.
- *1018 D. Water-stress behavior of Pima cotton in Arizona. 10¢.

Publications preceded by an asterisk (*) are not for free distribution.

Department Bulletins—Continued.

- 1056 D. Marketing cottonseed for planting purposes. 5¢.
 1111 D. One-variety cotton communities. 10¢.
 *1134 D. Self-fertilization and cross-fertilization in Pima cotton. 10¢.
 1135 D. Spinning tests of cotton compressed to different densities. 10¢.
 1148 D. Comparative spinning tests of 1921 crop of cotton grown under weevil conditions in Southeastern States. 5¢.
 *1153 D. Boll-weevil cotton in Texas. 5¢.
 *1164 D. Segregation and correlation of characters in upland-Egyptian cotton hybrid. 25¢.
 *1184 D. Utilization of Pima cotton. 15¢.
 1204 D. Dusting cotton from airplanes. 10¢.
 1219 D. Delinting and recleaning cottonseed for planting purposes. 10¢.
 1319 D. Ginning Pima cotton in Arizona. 10¢.
 *1320 D. Behavior of cotton planted at different dates in weevil-control experiments in Texas and South Carolina. 15¢.
 1365 D. Development of flowers and bolls of Pima and Acala cotton in relation to branching. 5¢.
 1392 D. Cooperative marketing of cotton. 10¢.
 *1438 D. Weather damage to cotton. 5¢.
 1444 D. Cotton prices and markets. 15¢.
 1445 D. Services in cotton marketing. 10¢.
 1467 D. Community production of Acala cotton in Coachella Valley of California. 15¢.
 1473 D. Cotton-spacing experiments at Greenville, Tex. 15¢.
 1484 D. Factors influencing severity of crazy-top disorder of cotton. 15¢.
 1488 D. Manufacturing tests of cotton of white grades of universal standards for American cotton. 10¢.

Technical Bulletins:

- 4 T. *Lygus elisus*, pest of cotton regions of Arizona and California. 5¢.
 13 T. Practices and costs of cotton-gin operation in north-central Texas, 1924-25. 15¢.
 50 T. Factors affecting price of cotton. 15¢.
 69 T. Marketing American cotton in England. 20¢.
 72 T. Irrigation of cotton. 10¢.
 78 T. Marketing American cotton on continent of Europe. 20¢.
 91 T. Leaf temperatures of cotton and their relation to transpiration, varietal differences, and yields. 10¢.
 112 T. Biology of the cotton boll weevil at Florence, S. C. 20¢.

Department Circulars:

- 175 DC. Linters. 5¢.
 200 DC. Improvements in cotton production. 5¢.
 205 DC. Cottonseed mixing increased by modern gin equipment. 5¢.
 *278 DC. Commercial classification of American cotton, with reference to standards for grade, color, and staple. 10¢.
 *357 DC. Production of Acala cotton in San Joaquin Valley of California. 10¢.
 361 DC. Cotton hopper, or so-called cotton flea. 5¢.
 381 DC. Uniform-depth press-wheel cotton, planter attachment. 5¢.
 390 DC. Study of off-type plants of Acala cotton. 10¢.
 401 DC. Growth and development of cotton plants at Greenville, Tex. 5¢.
 414 DC. Sea-island and Meade cotton in Southeastern States. 5¢.

Circulars:

- 2 C. Acala cotton, superior upland variety from southern Mexico. 20¢.
 47 C. Standardized cotton tare in Egypt. 5¢.
 67 C. A prolonged saprophytic stage of the cotton root-rot fungus. 5¢.
 75 C. The true cricket—A serious cotton pest in California. 5¢.
 85 C. Studies of cotton root rot at Greenville, Tex. 10¢.

Miscellaneous Circulars:

- *43 MC. Lessons on cotton for elementary schools. 10¢.

Miscellaneous Publications:

- 10 MP. Establishment of standard grades for American cotton linters. 5¢.
 35 MP. Cotton or weevils. 10¢.

Leaflets:

- 37 L. Poisoning the cotton boll weevil. 5¢.
 53 L. Cotton-louse control. 5¢.

Secretary's Office Circulars:

- 159 SC. Regulations of Secretary of Agriculture under United States cotton futures act, effective Aug. 1, 1922. 5¢.

Yearbook Separates:

- *605 Y. Improved methods of handling and marketing cotton. 5¢.
 *877 Y. The cotton situation. 15¢.
 *968 Y. Cotton of American-Egyptian variety in United States. 5¢.
 1025 Y. Cotton communities growing one variety only are increasing. 5¢.

DAIRYING

Farmers' Bulletins:

- 602 F. Production of clean milk. 5¢.
- 976 F. Cooling milk and cream on the farm. 5¢.
- 1214 F. Farm dairy houses. 5¢.
- 1272 F. Renting dairy farms. 5¢.
- 1315 F. Cleaning milking machines. 5¢.
- 1342 F. Dairy-barn construction. 5¢.
- 1473 F. Washing and sterilizing milk utensils. 5¢.
- 1610 F. Dairy farming for beginners. 5¢.

Department Bulletins:

- 342 D. Present status of pasteurization of milk. 5¢.
- *642 D. Four essential factors in production of milk of low bacterial content. 15¢.
- 744 D. Cooling milk and storing and shipping it at low temperatures. 10¢.
- *747 D. Economical use of fuel in milk plants and creameries. 10¢.
- 849 D. City milk plants, construction and arrangement. 10¢.
- *973 D. Milk-plant operation. 10¢.
- *1097 D. Effect of silage on flavor and odor of milk. 5¢.
- 1297 D. Effect of feeding cabbage and potatoes on flavor and odor of milk. 5¢.
- 1326 D. Effect of garlic on flavor and odor of milk. 5¢.
- 1342 D. Effect of feeding green rye and green cowpeas on flavor and odor of milk. 5¢.

Technical Bulletins:

- 116T. Dairy work at the Huntley Field Station, Huntley, Mont. 1918-1927. 15¢.
- 153 T. Effect of milk plant arrangement and method of operation on labor requirements. 15¢.

Department Circulars:

- *139 DC. The Government exhibit at the 1920 National Dairy Show. 5¢.
- 276 DC. Inspection of milk supplies. 10¢.
- 384 DC. How to conduct milk and cream contests. 5¢.

Circulars:

- 12 C. Dairy work at Woodward Field Station, Woodward, Okla., 1921 to 1926. 10¢.
- 99 C. Equipment for city milk plants. 10¢.
- 108 C. Foaming of milk and cream. 5¢.

Miscellaneous Publications:

- 37 MP. Essentials for the successful operation of a local creamery. 5¢.
- 42 MP. Points to consider in establishing a cheese factory. 5¢.

Leaflets:

- 3 L. Improved sanitation in milk production. 5¢.
- 19 L. Improving dairy herds. 5¢.
- 20 L. Care of the dairy calf. 5¢.

Yearbook Separates:

- *707 Y. Experiment in community dairying. 5¢.
- 879 Y. The dairy industry. 15¢.

Miscellaneous:

- Proceedings of the World's Dairy Congress. 2 vols. clo. 1923. \$2.50.
- Clean milk is easily produced by following a few simple rules. (D. D. 624.)

DAIRY PRODUCTS

Farmers' Bulletins:

- 876 F. Making butter on the farm. 5¢.
- 960 F. Neufchatel and cream cheese, farm manufacture and use. 5¢.
- 1191 F. Making American cheese on farm. 5¢.
- 1451 F. Making/and using cottage cheese in the home. 10¢.

Department Bulletins:

- 319 D. Fermented milks. 5¢.
- 576 D. Manufacture of cottage cheese in creameries and milk plants. 5¢.
- 608 D. Varieties of cheese, descriptions and analyses. 10¢.
- *661 D. Manufacture of casein from buttermilk or skim milk. 5¢.
- *919 D. Unit requirement for producing milk in western Washington. 5¢.
- 923 D. Unit requirements for producing market milk in Vermont. 5¢.
- *940 D. Sporogenes test as an index of the contamination of milk. 15¢.
- 955 D. Unit requirements for producing market milk in southeastern Louisiana. 5¢.
- *972 D. Unit requirements for producing market milk in eastern Nebraska. 5¢.
- 1075 D. Whipping quality of cream. 10¢.
- *1095 D. Producers' cooperative milk-distributing plants. 10¢.
- 1101 D. Unit requirements for producing market milk in Delaware. 5¢.
- 1171 D. Manufacture of Camembert cheese. 5¢.
- 1208 D. Effect of feeding turnips on flavor and odor of milk. 5¢.
- 1344 D. Effect of various factors on creaming ability of market milk. 5¢.

Technical Bulletins:

- *18 T. Comparison of temperature and bacterial count of milk and foam during certain stages of pasteurization process. 5¢.
- 153 T. Effect of milk-plant arrangement and method of operation on labor requirements. 15¢.
- 159 T. Keeping quality of butter made from cream of various acidities. 5¢.

Department Circulars:

- 70 DC. Trend of the butter industry in the United States and other countries. 5¢.
- *71 DC. Trend of the cheese industry in the United States and other countries. 5¢.
- 129 DC. Milk for the family. 5¢.
- 404 DC. Concentrated sour skim milk. 5¢.

Circulars:

- 16 C. Some economic aspects of marketing of milk and cream in New England. 20¢.
- 108 C. Foaming of milk and cream. 5¢.

Secretary's Office Circulars:

- 95 SC. Errors in weight of print butter, their causes and prevention. 5¢.
- 157 SC. Handbook for use in inspection of whole-milk American cheese under food products inspection law. 5¢.

Leaflets:

- 9 L. Making and storing farm butter for winter use. 5¢.
- 25 L. Preventing feed flavors and odors in milk. 5¢.

Yearbook Separates:

- *737 Y. Cheesemaking brings prosperity to farmers in southern mountains. 5¢.
- *744 Y. How the dairy cow brought prosperity in wake of boll weevil. 5¢.
- 939 Y. Dairy by-products and methods of utilizing them. 5¢.
- 940 Y. Skim milk in dry form has various uses. 5¢.

Miscellaneous:

- Chemical testing of milk and cream.
- Clean milk is easily produced by following a few simple rules. (D. D. 624.)

DISEASES, ANIMAL

(See also under name of animal)

Farmers' Bulletins:

- 449 F. Rabies or hydrophobia. 5¢.
- 569 F. Texas or tick fever. 5¢.
- 666 F. Foot-and-mouth disease. 5¢.
- 784 F. Anthrax or charbon. 5¢.
- 834 F. Hog cholera, prevention and treatment. 5¢.
- 1018 F. Hemorrhagic septicemia, stockyards fever, swine plague, fowl cholera, etc. 5¢.
- 1054 F. Loco-weed disease. 5¢.
- 1069 F. Tuberculosis in livestock. 10¢.
- 1355 F. Blackleg, its nature, cause, and prevention. 5¢.
- 1422 F. Udder diseases of dairy cows. 5¢.
- 1493 F. Lice, mange, and ticks of horses, and methods of control and eradication. 5¢.
- 1536 F. Infectious abortion of cattle. 5¢.
- 1593 F. Trembles (milk sickness). 5¢.
- 1596 F. Cattle grubs or heel flies with suggestions for their control. 5¢.
- 1625 F. Tick fever. 5¢.

Department Bulletins:

- *166 D. Ophthalmic mallein for diagnosis of glanders. 5¢.
- 662 D. Vesicular stomatitis of horses and cattle. 5¢.
- *674 D. Hemorrhagic septicemia. 5¢.
- 1449 D. Tumors of domestic animals. 10¢.

Technical Bulletins:

- *76 T. Report of Foot-and-Mouth Disease Commission of Department of Agriculture. 25¢.

Department Circulars:

- *54 DC. Tuberculosis eradication under accredited-herd plan: Herd list 2, List of herds officially accredited as free from tuberculosis and of herds that have passed successfully one test with view to certification. Revised to Apr. 1, 1919. 10¢.
- *142 DC. Tuberculosis eradication under the accredited-herd plan. Herd list 3. 10¢.
- *143 DC. Tuberculosis eradication under the accredited-herd plan. Supplement 1 to Herd list 3. 10¢.
- *144 DC. Tuberculosis eradication under the accredited-herd plan: Supplement 2 to Herd list 3. 10¢.
- *180 DC. Alkali disease of livestock in Pecos Valley. 5¢.
- 249 DC. Tuberculin testing of livestock. 10¢.

Publications preceded by an asterisk (*) are not for free distribution.

Department Circulars—Continued.

- 322 DC. Mycotic stomatitis of cattle. 5¢.
 *325 DC. Foot-and-mouth disease, with special reference to the outbreak of 1914. 5¢.
 400 DC. Foot-and-mouth disease, with special reference to outbreaks in California, 1924, and Texas, 1924 and 1925. 15¢.

Circulars:

- 11 C. Comparative values of types of anti-hog-cholera serum. 5¢.
 32 C. Regional lymph glands of food animals. 10¢.
 104 C. Johne's disease (paratuberculosis) of livestock. 5¢.

Miscellaneous Publications:

- 59 MP. Reliability of the tuberculin test. 5¢.
 66 MP. Economic benefits of eradicating tuberculosis from livestock. 5¢.
 68 MP. The 1929 outbreak of foot-and-mouth disease in southern California. 5¢.

Leaflets:

- 34 L. Trichinosis: A disease caused by eating raw pork. 5¢.

Miscellaneous:

- B. A. I. Cir. 96. Actinomycosis, or lumpy jaw. 5¢.

Yearbook Separates:

- *783 Y. Some results of Federal quarantine against foreign livestock diseases. 5¢.
 798 Y. Practical points in hog cholera control. 5¢.
 *802 Y. Progress in eradicating contagious animal diseases. 5¢.
 *966 Y. Experiment station work on animal-disease control. 5¢.

DISEASES, FRUIT

(See also under name of fruit)

Farmers' Bulletin:

- 1053 F. Control of cherry leaf spot. 5¢.
 1410 F. Prune and cherry, brown rot control in Pacific Northwest. 5¢.
 1488 F. Diseases of raspberries and blackberries. 10¢.
 1527 F. Peach brown rot and scab. 5¢.

Department Bulletins:

- *368 D. Brown rot of prunes and cherries in Pacific Northwest. 5¢.
 *1252 D. Prune and cherry brown-rot investigations in Pacific Northwest. 10¢.
 *1474 D. Citrus melanose and its control. 20¢.

DISEASES, GRAIN AND FORAGE CROPS

(See also under name of crop)

Farmers' Bulletins:

- 1540 F. Smuts of wheat and rye and their control. 5¢.
 1544 F. Common barberry and black stem rust. 5¢.
 1599 F. Scab of wheat and barley and its control. 5¢.
 1607 F. Nematode disease of wheat and rye. 5¢.

Department Bulletins:

- *1210 D. Summary of literature on bunt, or stinking smut, of wheat. 10¢.
 *1284 D. Sorghum smuts and varietal resistance in sorghums. 15¢.
 1383 D. Single-bath hot-water and steam treatments of seed wheat for control of loose smuts. 5¢.

Technical Bulletins:

- 207 T. Seed treatment for controlling covered smut of barley. 15¢.

Circulars:

- 81 C. Removing smut from the Pacific Northwest wheat by washing. 5¢.

Yearbook Separates:

- *755 Y. Cereal diseases and national food supply. 5¢.
 *961 Y. Stem rust in many varieties attacks grain. 5¢.
 *962 Y. Smut control by disinfectants in growing favor. 5¢.

DISEASES, TREES AND PLANTS

(See also under name of tree or plant)

Farmers' Bulletins:

- 1345 F. Root-knot, its cause and control. 5¢.
 1439 F. Diseases of cabbage and related plants. 10¢.
 1547 F. Rose diseases, causes and control. 5¢.
 1641 F. Chestnut blight. 10¢.

Department Bulletins:

- *89 D. Death of chestnuts and oaks due to *Armillaria mellea*. 5¢.
 *317 D. Larch mistletoe, economic consideration of its injurious effects. 5¢.
 *380 D. *Endothia parasitica* and related species. 35¢.
 *490 D. Preliminary report on occurrence of western red rot in *Pinus ponderosa*. 5¢.
 *722 D. Study of heart-rot in western hemlock. 10¢.
 *828 D. Bacteria wilt of cucurbits. 15¢.

Department Bulletins—Continued.

- *829 D. Mosaic disease of sugar cane and other grasses. 10¢.
- *879 D. Mosaic disease of cucurbits. 15¢.
- 934 D. Damping-off in forest nurseries. 10¢.
- *1112 D. Western yellow pine mistletoe, effect on growth and suggestions for control. 15¢.
- 1162 D. Rôle of the genus *Rhamnus* in the dissemination of crown rust. 5¢.
- 1186 D. White pine blister rust in western Europe. 10¢.
- *1262 D. Effect of kiln drying, steaming, and air seasoning on certain fungi in wood. 10¢.
- *1298 D. Control of decay in pulp and pulpwood. 25¢.
- *1366 D. Check list of diseases of economic plants in United States. 15¢.
- 1417 D. *Ozonium* root rot. 15¢.
- 1461 D. Control of cucumber mosaic by eradication of wild host plants. 10¢.

Technical Bulletins:

- 87 T. White-pine blister rust, comparison of European with North American conditions. 15¢.
- 181 T. Clubroot of crucifers. 5¢.

Department Circulars:

- *226 DC. White-pine blister rust in western United States. 10¢.
- 234 DC. Bacterial spot of cucumbers. 5¢.
- 321 DC. Control of cucumber mosaic in the greenhouse. 5¢.
- *370 DC. Chestnut blight in southern Appalachians. 10¢.
- *382 DC. Maple wilt. 5¢.

Miscellaneous Publications:

- 22 MP. Protect white pine from blister rust. 10¢.
- 23 MP. Protect western white pine and sugar pine from blister rust. 10¢.
- *27 MP. Black currant spreads white-pine blister rust. 5¢.
- 94 MP. Seed treatment reduces loss from plant diseases. 5¢.

Yearbook Separates:

- *598 Y. Chestnut bark disease. 10¢.
- *796 Y. Black stem rust and barberry. 5¢.
- *929 Y. Diseases and pests of fruits and vegetables. 25¢.
- *938 Y. Black currant is nurse of blister rust. 5¢.
- 941 Y. Apple trees attacked by cedar rust. 5¢.
- *1001 Y. Larch canker, new unwanted immigrant, attacks fir and pine. 5¢.
- 1006 Y. Plant-disease specimens should be properly packed and forwarded. 5¢.

DOGS**Farmers' Bulletins:**

- 1268 F. Sheep-killing dogs. 5¢.
- 1491 F. Breeds of dogs. 10¢.

Department Circulars:

- 338 DC. Parasites and parasitic diseases of dogs. 10¢.

DRAINAGE**Farmers' Bulletins:**

- 805 F. Drainage of irrigated farms. 5¢.
- 815 F. Organization, financing, and administration of drainage districts. 5¢.
- 1131 F. Tile trenching machinery. 5¢.
- 1606 F. Farm drainage. 5¢.

Department Bulletins:

- *114 D. Report upon black and boggy swamps drainage district, Hampton and Jasper Counties, S. C. 15¢.
- *502 D. Drainage of irrigated shale land. 15¢.
- *724 D. Drainage methods and foundations for county roads. 20¢.
- *1017 D. Reports on drainage and prevention of overflow in the valley of the Red River of the North. 50¢.
- *1067 D. Tests of drainage pumping plants in Southern States. 10¢.
- 1207 D. Drainage district assessments: A study of present practices in assessing benefits under State drainage laws. 10¢.
- *1408 D. Structures used in draining agricultural land. 10¢.
- 1456 D. Drainage by means of pumping from wells in Salt River Valley, Ariz. 10¢.

Technical Bulletins:

- 129 T. Flow of water in drainage channels. 40¢.
- 184 T. Erosion and silting of dredged drainage ditches. 25¢.
- 194 T. Economic status of drainage districts in the South, 1926. 10¢.

DRY FARMING**Farmers' Bulletins:**

- 1163 F. Dry farming in western South Dakota. 5¢.
- 1545 F. Dry farming methods and practices in wheat growing in Columbia and Snake River basins. 10¢.

Department Bulletins:

- *1173 D. Experiments in wheat production on the dry lands of western United States. 10¢.
- *1315 D. Dry farming in southeastern Wyoming. 5¢.
- *1427 D. Dry-land gardening in Northern Great Plains Field Station, Mandan, N. Dak. 5¢.

Circulars:

- 4 C. Settlers' progress in dry-land farming in eastern New Mexico. 10¢.

EXTENSION WORK**Department Bulletins:**

- *269 D. Farmers' institute work in United States in 1914, and notes on agricultural extension work in foreign countries. 5¢.
- 1384 D. Effectiveness of extension in reaching rural people. 5¢.

Technical Bulletins:

- 106 T. Extension methods and their relative effectiveness. 15¢.
- 125 T. Relative costs of extension methods which influence changes in farm and home practices. 10¢.

Department Circulars:

- *30 DC. Organization of county for extension work, farm-bureau plan. 5¢.
- *38 DC. Boys' agricultural clubs in Southern States. 5¢.
- *66 DC. Organization and results of boys' and girls' club work in Northern and Western States, 1918. 5¢.
- *106 DC. Status and results, county agent work, Northern and Western States, 1919. 10¢.
- *140 DC. Statistics of cooperative extension work, 1920-21. 5¢.
- *179 DC. Status and results of county agent work, Northern and Western States, 1920. 5¢.
- *190 DC. Extension work among negroes, 1920. 5¢.
- *192 DC. Status and results of boys' and girls' club work, Northern and Western States, 1920. 10¢.
- *203 DC. Statistics of cooperative extension work, 1921-22. 5¢.
- *233 DC. Motion pictures of Department of Agriculture. 5¢.
- *244 DC. Status and results of county agent work, Northern and Western States, 1921. 10¢.
- *248 DC. Status and results of extension work in the Southern States, 1903-1921. 10¢.
- *253 DC. Statistics of cooperative extension work, 1922-23. 5¢.
- *255 DC. Status and results of boys' and girls' club work, Northern and Western States, 1921. 5¢.
- *270 DC. Extension work in agricultural engineering, 1922. 5¢.
- *285 DC. Status and results of home demonstration work, Northern and Western States, 1921. 5¢.
- 308 DC. Extension program in range livestock, dairying, and human nutrition for Western States. 5¢.
- *312 DC. Boys' and girls' club work, 1922. 10¢.
- 314 DC. Home demonstration work, 1922. 10¢.
- 316 DC. Methods and results of cooperative extension work, reported through county agricultural agents, 1922. 10¢.
- *329 DC. Extension work in plant pathology, 1923. 5¢.
- *335 DC. Extension program in crop production to reenforce range livestock, dairying, and human nutrition for Western States. 5¢.
- *343 DC. Extension work in agronomy, 1923. 5¢.
- *344 DC. Extension work in agricultural engineering, 1923. 5¢.
- 345 DC. Farm-forestry extension, early development, and status in 1923. 5¢.
- *346 DC. Extension work with fruits, vegetables, and ornamentals, 1923. 5¢.
- 347 DC. Methods and results of cooperative extension work, 1923. 10¢.
- *348 DC. Boys' and girls' 4-H club work, 1923. 10¢.
- *349 DC. Extension work in foods and nutrition, 1923. 5¢.
- *355 DC. Extension work among negroes, conducted by negro agents, 1923. 5¢.
- 375 DC. Extension program in home management and farm management for Western States, with reports of standing regional committees on range, livestock, dairying, farm crops, and human nutrition. 5¢.
- 385 DC. How to prepare and display extension exhibits. 10¢.
- *399 DC. Home demonstration work, 1923. 10¢.

Circulars:

- 17 C. Ten-year review of home management extension, 1914-1924. 10¢.
- 22 C. Ten years of agronomy extension, 1915-1924. 5¢.
- 30 C. Farm management extension, 1914-24. 10¢.
- 43 C. Home demonstration work under the Smith-Lever Act, 1914-1924. 10¢.
- 57 C. Rural church and cooperative extension work, outline of what extension work is, and how it may aid the rural church in community improvement. 10¢.
- 58 C. Planning and conducting extension campaigns. 10¢.

Publications preceded by an asterisk (*) are not for free distribution.

Miscellaneous Circulars:

- 59 MC. County agricultural agent work under Smith-Lever Act. 1914-1924. 10¢.
 *72 MC. Decade of negro extension work, 1914-1924. 10¢.
 77 MC. Boys' and girls' 4-H club work. 10¢.
 78 MC. Use of motion pictures in agricultural extension work. 10¢.
 *85 MC. Boys' and girls' 4-H club work under Smith-Lever Act, 1914-1924. 15¢.
 86 MC. Motion pictures of Department of Agriculture [list of films and how to obtain them]. 10¢.

Miscellaneous Publications:

- *8 MP. Review of 5 years of fact organization and State and regional program making in Western States, and report of 1927 extension conference. 5¢.
 *15 MP. History of agricultural extension work in United States, 1785-1923. Cloth, 75¢.
 45 MP. Forestry Clubs for Young People. 5¢.
 52 MP. How to find economic facts and apply them as a basis for extension programs in home economics, dairying, and forestry. 5¢.
 72 MP. Lantern slides and film strips of the United States Department of Agriculture. 5¢.
 85 MP. Horticultural exhibitions. 10¢.

Yearbook Separates:

- *72 Y. How the whole county demonstrated. 5¢.
 710 Y. Effect of home demonstration work on community and county in the South. 5¢.
 *833 Y. Home demonstration bears fruit in the South. 5¢.

FARM MANAGEMENT**Farmers' Bulletins:**

- 614 F. Corn Belt farming system which saves labor by hogging down crops. 5¢.
 924 F. Simple way to increase crop yields. 5¢.
 986 F. Farm practices that increase crop yields in the Gulf Coast region. 5¢.
 1000 F. Crop systems for Arkansas. 5¢.
 1008 F. Saving farm labor by harvesting crops with livestock. 5¢.
 1015 F. Producing family and farm supplies on cotton farms. 5¢.
 1088 F. Selecting a farm. 5¢.
 1117 F. Forestry and farm income. 5¢.
 1164 F. The farm-lease contract. 5¢.
 1289 F. Distribution of types of farming in United States. 5¢.
 1385 F. Buying farms in undeveloped region. 5¢.
 1421 F. Successful farming on 80-acre farms in central Indiana. 5¢.
 1440 F. More profit for wheat farmers of central Kansas. 5¢.
 1463 F. Successful farming on 160-acre farms in central Indiana. 5¢.
 1545 F. Dry farming methods and practices in wheat growing in Columbia and Snake River Basins. 10¢.
 1546 F. Systems of livestock farming in the Black Prairie Belt of Alabama and Mississippi. 10¢.
 1562 F. Farm practice under corn-borer conditions. 5¢.
 1565 F. Shall I buy a combine? 5¢.

Department Bulletins:

- *32 D. Example of successful farm management in southern New York. 5¢.
 *151 D. Experiments in crop production on fallow land in San Antonio. 5¢.
 *157 D. Tillage and rotation experiments at Nephi, Utah. 5¢.
 *253 D. Effect of different times of plowing small-grain stubble in eastern Colorado. 5¢.
 *482 D. Farming in blue-grass region: Study of organization and management of 178 farms in central Kentucky. 5¢.
 *528 D. Seasonal distribution of farm labor in Chester County, Pa. 10¢.
 *529 D. Validity of survey method of research in farm management. 5¢.
 *625 D. Cropping systems for moisture portions of eastern Washington and Oregon and northern Idaho. 5¢.
 633 D. Factors of successful farming near Monett, Mo. 5¢.
 *651 D. Farm-management study in Anderson County, S. C. 5¢.
 *654 D. Farm organization in irrigated valleys of southern Arizona. 10¢.
 *678 D. Influence of city on farming. 5¢.
 *694 D. Study of farm-management problems in Lenawee County, Mich. 10¢.
 *821 D. Frost protection in lemon orchards. 10¢.
 *848 D. An economic study of small farms near Washington, D. C. 5¢.
 *850 D. Rent contracts in typical countries of the wheat belt. 5¢.

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Department Bulletins—Continued.

- *917 D. Farm practice in growing field crops in three sugar-beet districts of Colorado. 20¢.
- 961 D. Standards of labor on the hill farms of Louisiana. 10¢.
- *968 D. Buying farms with land-bank loans. 5¢.
- *991 D. Crop rotation and cultural methods at Edgeley, N. Dak. 5¢.
- 1000 D. Labor and material requirements of field crops. 10¢.
- *1001 D. Relation of land tenure to use of arid grazing lands of Southwestern States. 15¢.
- 1020 D. Harvest labor problem in the wheat belt. 10¢.
- 1034 D. Farm management and farm organization in Sumter County, Ga. 20¢.
- *1047 D. Farm mortgage loans by banks, insurance companies, and other agencies. 5¢.
- *1048 D. Bank loans to farmers on personal and collateral security. 5¢.
- *1068 D. Farm ownership and tenancy in the black prairie of Texas. 10¢.
- 1070 D. Farm management in Catawba County, N. C. 5¢.
- 1181 D. Labor requirements of Arkansas crops. 15¢.
- 1211 D. Sources of supply and conditions of employment of harvest labor in wheat belt. 5¢.
- 1220 D. Farm labor in Massachusetts, 1921. 5¢.
- 1230 D. Conditions affecting demand for harvest labor in Wheat Belt. 10¢.
- *1236 D. Farming logged-off uplands in western Washington. 10¢.
- 1258 D. Farming organization and management in Clinton County, Ind., business analysis of 100 farms in Forest and Johnson Townships for 8 years, 1910 and 1913-1919. 10¢.
- 1285 D. Truck-farm labor in New Jersey, 1922. 10¢.
- 1293 D. Tillage and rotation experiments at Dickinson, Hettinger, and Williston, N. Dak. 5¢.
- 1310 D. Experiments with fallow in north-central Montana. 5¢.
- 1338 D. Family living from the farm. 5¢.
- *1377 D. Study of value of crop rotation in relation to soil productivity. 15¢.
- 1382 D. Relation between ability to pay and standard of living among farmers. 5¢.
- 1447 D. Cost of using horses, tractors, and combines on wheat farms in Sherman County, Oreg. 10¢.
- 1458 D. Trend toward a more effective use of land as shown by yield per acre of certain crops. 5¢.
- 1466 D. Farmer's standard of living, a socio-economic study of 2886 white farm families in 11 States. 10¢.

Technical Bulletins:

- 102 T. Types of farming in North Dakota. 15¢.
- 144 T. Irrigated crop rotation in southern Montana. 10¢.
- 172 T. Taxation of farm property. 15¢.

Department Circulars:

- *83 DC. Testing farms in the South for efficiency in management. 5¢.
- 197 DC. The credit association as an agency for rural short-time credit. 5¢.
- 302 DC. Farm management extension, early development and status in 1922. 5¢.

Circulars:

- 78 C. Condition of farmers in a white-farmer area of the cotton piedmont, 1924-1926. 10¢.

Secretary's Office Circulars:

- *56 SC. Safe farming. 5¢.
- 57 SC. Influence of relative area in intertilled and other classes of crops on crop yield. 5¢.
- *121 SC. Handling the 1918 wheat harvest in Kansas. 5¢.
- *122 SC. Labor saving in livestock production. 5¢.

Miscellaneous Circulars:

- *32 MC. Practical farm economics. Cloth, 40¢.
- 106 MC. Emergency crops for flooded lands, Mississippi Valley. 5¢.
- *107 MC. Emergency methods for reconstitution of flooded sugarcane districts in Louisiana. 5¢.

Leaflets:

- 46 L. Farm grain storage. 5¢.

Yearbook Separates:

- *613 Y. Directory for farmers. 5¢.
- 661 Y. Some outstanding factors in profitable farming. 5¢.
- 702 Y. Development and localization of truck crops in United States. 5¢.
- 764 Y. Cattle loans and the value to investors. 5¢.
- 915 Y. Farm credit, farm insurance, and farm taxation. 15¢.

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FARM ORGANIZATIONS, TENANCY, AND LABOR

Department Bulletins:

- *984 D. National influence of a single farm community, story of the flow into national life of migration from the farms. 20¢.
- 1269 D. Relation of land tenure to plantation organization. 15¢.
- 1271 D. Study of farm organization in southwestern Minnesota. 15¢.
- *1277 D. Input as related to output in farm organization and cost-of-production studies. 10¢.
- *1292 D. Field and crop labor on Georgia farms, (coastal plain area). 5¢.
- 1295 D. Land settlement and colonization in Great Lakes States. 15¢.
- 1296 D. Study of farm organization in central Kansas. 15¢.
- *1322 D. Some economic aspects of farm ownership. 5¢.
- 1400 D. Factors affecting farmers' earnings in southeastern Pennsylvania. 15¢.
- 1404 D. Tenancy and ownership among negro farmers in Southampton County, Va. 5¢.
- 1432 D. Ownership of tenant farms in United States. 10¢.
- 1433 D. Ownership of tenant farms in North Central States. 10¢.

Technical Bulletins:

- 45 T. Study of ranch organization and methods of range-cattle production in northern Great Plains region. 20¢.
- *68 T. Ranch organization and methods of livestock production in the Southwest. 25¢.

Department Circulars:

- 351 DC. Centralized management of large corporate estate operated by tenants in the Wheat Belt. 10¢.
- 377 DC. Farm real estate situation, 1926. 5¢.
- 407 DC. Membership relations of cooperative associations, (cotton and tobacco). 5¢.

Circulars:

- 15 C. Farm real estate situation, 1926-27. 10¢.
- 60 C. Farm real estate situation, 1927-28. 10¢.
- 80 C. Organization and management problems of cooperative oil associations in Minnesota. 10¢.
- 94 C. Farmers' cooperative associations in the United States, 1929. 15¢.
- 101 C. Farm real estate situation, 1928-29. 15¢.
- 150 C. Farm real estate situation, 1929-30. 10¢.

Secretary's Office Circulars:

- *135 SC. Report of committee to consider subject of farm organization as one of the divisions of research work of proposed bureau of farm management of farm economics. 5¢.
- *138 SC. Report of committee on land economics. 5¢.
- *139 SC. Report of committee to consider subject of farm-life studies as one of the divisions of research work of proposed bureau of farm management and farm economics. 5¢.
- *142 SC. Suggestions regarding fall-sown crops, with notes on the livestock situation. 5¢.
- *153 SC. Cooperative relations in agricultural development; address by E. T. Meredith, Springfield, Mass., Oct. 20, 1920. 5¢.

Yearbook Separates:

- 772 Y. Thrashing ring in the Corn Belt. 5¢.
- *773 Y. Livestock and reconstruction. 5¢.
- *897 Y. Farm ownership and tenancy. 15¢.

FATS, OILS, AND NAVAL STORES

Department Bulletins:

- 182 D. Agricultural alcohol, studies on manufacture in Germany. 5¢.
- *898 D. Turpentine, its sources, properties, uses, transportation, and marketing, with recommended specifications. 15¢.
- 904 D. Production and utilization of corn oil in United States. 5¢.
- 989 D. Pine-oil and pine distillate product emulsions, method of production, chemical properties, and disinfectant action. 5¢.
- 1010 D. Preparation of edible oil from crude corn oil. 5¢.
- *1054 D. Comparison of corn oils obtained by expeller and benzol extraction methods. 5¢.
- *1036 D. Coal-tar and water-gas tar creosotes, their properties and methods of testing. 20¢.
- 1471 D. Oil content of flaxseed, with comparisons of tests for determining oil content. 10¢.
- 1475 D. Production and utilization of fats, fatty oils, and waxes in United States. 10¢.

Technical Bulletins:

- 16 T. Methods of extracting volatile oils from plant material and the production of such oils in the United States. 10¢.
- *71 T. Simple methods for determining oil content of seeds and other oil-bearing materials. 5¢.

Circulars:

110 C. Specific gravity and Baume gravity tables for turpentine. 5¢.

Leaflets:

41 L. Good naval stores practice. 5¢.

Yearbook Separates:

691 Y. Some American vegetable food oils, their sources and methods of production. 5¢.

1013. Y. Safflower, oilseed crop, adapted to northern Great Plains. 5¢.

FEEDS AND FEEDING**Farmers' Bulletins:**

724 F. Feeding of grain sorghums to livestock. 5¢.

972 F. How to use sorghum grain. 5¢.

1133 F. Feeding garbage to hogs. 5¢.

1179 F. Feeding cottonseed products to livestock. 5¢.

1504 F. Self-feeding versus hand-feeding sows and litters. 5¢.

1549 F. Feeding cattle for beef. 5¢.

1626 F. Feeding dairy cows. 5¢.

Department Bulletins:

*378 D. Fish meal, its uses as stock and poultry food. 5¢.

*470 D. Studies on digestibility of grain sorghums. 5¢.

*610 D. Fish meal as a feed for swine. 5¢.

*745 D. Chopped soap weed as emergency feed for cattle on southwestern ranges. 5¢.

1124 D. Marketing of mill feed. 5¢.

1166 D. Apple by-products as stock foods. 5¢.

1272 D. Value of various new feeds for dairy cows. 5¢.

1297 D. Effect of feeding cabbage and potatoes on flavor and odor of milk. 5¢.

1342 D. Effect of feeding green rye and green cowpeas on flavor and odor of milk. 5¢.

Technical Bulletins:

*9 T. Effect of some succulent feeds on flavor and odor of milk. 5¢.

110 T. Correcting the inefficiency of peanuts for growth in pigs. 5¢.

Department Circulars:

379 DC. Use of salt in range management. 10¢.

Miscellaneous Circulars:

12 MC. Handbook for better feeding of livestock. 15¢.

Yearbook Separates:

*105 Y. Needs and requirements of control of feeding stuffs. 5¢.

983 Y. Beef from grass and grain gains producers' favor. 5¢.

984 Y. Pasture problems in coastal plains region of south. 5¢.

FERTILIZERS**Farmers' Bulletins:**

921 F. Principle of liming of soils. 5¢.

1250 F. Green manuring. 5¢.

1496 F. Inoculation of legumes and nonlegumes with nitrogen-fixing and other bacteria. 5¢.

Department Bulletins:

*572 D. Recovery of potash as a by-product in the cement industry. 5¢.

*1126 D. Effect of borax on growth and yield of crops. 15¢.

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*1191 D. Potash from kelp, early development and growth of giant kelp, *Macrocystis pyrifera*. 5¢.

1226 D. Recovery of potash as a by-product in blast-furnace industry. 5¢.

1280 D. Computation of fertilizer mixtures from concentrated materials. 5¢.

*1379 D. Electroculture. 10¢.

1413 D. Cocoa by-products and their utilization as fertilizer materials. 10¢.

Technical Bulletins:

*75 T. Crop-plant stimulation with paper mulch. 10¢.

182 T. Factors affecting the mechanical application of fertilizers to the soil. 30¢.

212 T. Mechanical analysis of finely divided natural phosphates. 5¢.

Department Circulars:

*84 DC. Crop injury by borax in fertilizers. 10¢.

*252 DC. Preparation of peat composts. 5¢.

*257 DC. Composition of filter press (lime) cake [consisting largely of calcium carbonate]. 5¢.

Circulars:

64 C. Cyanamid, its uses as a fertilizer material. 5¢.

77 C. Suggestions for paper mulch trials. 5¢.

Leaflets:

70 L. Home mixing of fertilizers. 5¢.

Yearbook Separates:

- *717 Y. Importance of developing our national resources of potash. 5¢.
- *728 Y. Fertilizers from industrial wastes. 5¢.
- *803 Y. Atmospheric nitrogen for fertilizers. 5¢.
- *814 Y. Home production of lime by the farmer. 5¢.

FIBER PLANTS**Department Bulletins:**

- *930 D. Production of binder twine fiber in the Philippine Islands. 5¢.

1278 D. Production of henequen fiber in Yucatan and Campeche. 5¢.

Miscellaneous Circulars:

- 110 MC. Ramie, a fiber-yielding plant. 5¢.

Yearbook Separates:

- *628 Y. Hemp. 15¢.
- *790 Y. Sisal and henequen as binder-twine fibers. 5¢.

FIRE HAZARDS AND DUST EXPLOSIONS**Farmers Bulletins:**

- 904 F. Fire prevention and fire fighting on the farm. 5¢.
- 1512 F. Protection from lightning. 10¢.
- 1590 F. Fire-protective construction on the farm. 5¢.
- 1643 F. Fire safeguards for the farm. 5¢.

Department Bulletins:

- *105 D. Progress reports of experiments in dust prevention and road preservation 1913. 5¢.
- *379 D. Dust explosions and fires in grain separators in Pacific Northwest. 10¢.
- 530 D. Organization and management of farmers' mutual fire insurance company. 5¢.
- 681 D. Grain-dust explosions, investigation in experimental attrition mill at Pennsylvania State College. 10¢.
- *1294 D. Role of fire in California pine forests. 20¢.
- 1373 D. Dust control in grain elevators. 10¢.
- 1495 D. Cover type and fire control in the national forests of northern California. 10¢.

Technical Bulletins:

- 74 T. Value of inert gas as preventive of dust explosions in grinding equipment. 5¢.
- 141 T. The spontaneous combustion of hay. 10¢.
- 209 T. The determination of hour control for adequate fire protection in the major cover types of the California pine region. 10¢.

Department Circulars:

- *98 DC. Installation of dust-collecting fans on threshing machines for prevention of explosions and fires and for grain cleaning. 5¢.
- *134 DC. Livestock grazing as a factor in fire protection on the national forests. 10¢.
- 171 DC. Unprotected electric lights, dust explosion and fire hazard. 5¢.
- *354 DC. Weather conditions and forest fires in California. 5¢.
- *358 DC. Fire and the forest, California pine region. 5¢.

Circulars:

- 76 C. Fires in cotton gins and how to prevent them. 5¢.

Miscellaneous Circulars:

- *19 MC. Forest fires in intermountain region. 5¢.
- *53 MC. When fire is banished from the land of white oak. 5¢.
- *79 MC. Forest-fire prevention handbook for school children. 15¢.
- *88 MC. Forest-fire prevention handbook for schools of Arizona. 10¢.
- *89 MC. Forest-fire prevention handbook for schools of New Mexico. 10¢.

Miscellaneous Publications:

- *20 MP. Forest fire prevention handbook for schools of Oregon. 10¢.
- 29 MP. Measuring forest-fire danger in northern Idaho. 20¢.
- *40 MP. Forest fire prevention handbook for schools of Washington (State). 15¢.
- 70 MP. Glossary of terms used in fire control. 10¢.

Leaflets:

- 44 L. Fires on farms. 5¢.

Secretary's Office Circulars:

- *69 SC. Forest fires in United States, 1915. 5¢.

FISH, OYSTERS, AND MARINE PRODUCTS**Department Bulletins:**

- 538 D. Shrimp, handling, transportation, and uses. 5¢.
- *635 D. Commercial freezing and storing of fish. 5¢.
- *649 D. Experiments on digestibility of fish. 5¢.
- *819 D. Pink yeast causing spoilage in oysters. 5¢.

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Technical Bulletins:

- 64 T. Bacteriology and chemistry of oysters, with special reference to regulatory control of production, handling, and shipment. 15¢.

Yearbook Separates:

- 623 Y. Supplementing our meat supply with fish. 5¢.
*665 Y. Shipping fish three thousand miles to market. 5¢.

FLAX

Farmers' Bulletins:

- 669 F. Fiber flax. 5¢.
1328 F. Production of seed flax. 5¢.

Department Bulletins:

- *655 D. Influence on linseed oil of the geographical source and variety of flax. 5¢.
*883 D. Experiments with flax on breaking. 10¢.
*1092 D. Pedigreed fiber flax. 10¢.
*1120 D. Investigations of heat canker of flax. 10¢.
1185 D. Flax-stem-anatomy in relation to retting. 5¢.

Technical Bulletins:

- 133 T. Flax cropping in mixture with wheat, oats, and barley. 10¢.

Department Circulars:

- *264 DC. Frost resistance in flax. 5¢.
341 DC. Seed flax as farm crop in 1925. 5¢.

Yearbook Separates:

- 958 Y. Flax rust control through immune strains possible. 5¢.
1008 Y. Flax resistant to wilt and sown early helps to cut losses. 5¢.

FLOWERS AND SHRUBS

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1171 F. Growing annual flowering plants. 15¢.
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1547 F. Rose diseases, their cause and control. 5¢.
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1082 D. Production of tulip bulbs. 25¢.
1270 D. Production of narcissus bulbs. 20¢.
1327 D. Production of grape-hyacinth bulbs. 5¢.
1331 D. Madonna lily. 5¢.
1459 D. The Regal lily. 10¢.
1462 D. American bulbs under glass. 15¢.

Technical Bulletins:

- *11 T. Production of hybrid Palestine iris corms. 5¢.

Circulars:

- 23 C. Score of easily propagated lilies. 15¢.
25 C. Production of certain iris bulbs. 10¢.
31 C. Japanese flowering cherries. 10¢.
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102 C. The production of lily bulbs. 20¢.
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113 C. Experiments with hot-water treatment of daffodils in relation to forcing and field culture. 5¢.
122 C. Daffodils. 25¢.

Yearbook Separates:

- 998 Y. Nankeen lily scarce though grown easily in United States. 5¢.
1010 Y. Rose from Portugal, Belle Portugaise proves adapted to United States. 5¢.

FOODS AND MENUES

(See also under Canning and Preserving, and Home Economics)

Farmers' Bulletins:

- 653 F. Honey, its uses in the home. 5¢.
712 F. School lunches. 5¢.
717 F. Food for young children. 5¢.
1195 F. Rice as food [with recipes]. 5¢.
1236 F. Corn and its uses as food. 5¢.
1313 F. Good proportions in diet. 5¢.
1359 F. Milk, and its uses in the home. 5¢.
1374 F. Care of food in the home. 5¢.

Department Bulletins:

- *241 D. Studies on fruit juices. 5¢.
- *310 D. Digestibility of some animal fats, [lard, beef fat, mutton fat, butter]. 5¢.
- 319 D. Fermented milks. 5¢.
- *467 D. Food value and uses of poultry. 5¢.
- *471 D. Eggs and their value as food. 5¢.
- *503 D. Turnips, beets, and other succulent roots and their use as food. 5¢.
- *505 D. Digestibility of some vegetable fats. 5¢.
- *507 D. Studies on digestibility of some animal fats. 5¢.
- *525 D. Experiments in determination of digestibility of millets. 5¢.
- *612 D. Digestibility of the dasheen. 5¢.
- *613 D. Digestibility of certain miscellaneous animal fats. 5¢.
- *649 D. Experiments on digestibility of fish. 5¢.
- 656 D. Concord grape juice, manufacture and chemical composition. 5¢.
- *751 D. Experiments on digestibility of wheat bran in a diet without wheat flour. 5¢.
- *781 D. Digestibility of some by-product oils. 5¢.
- 1033 D. Digestibility of cod-liver, java-almond, tea-seed, and watermelon-seed oils, deer fat, and some blended hydrogenated fats. 5¢.
- 1055 D. Methods of manufacturing potato chips. 5¢.
- 1123 D. Proportioning ingredients for ice cream and other frozen products by balance method. 5¢.
- *1161 D. Effect of composition on the palatability of ice cream. 5¢.
- 1213 D. Digestibility of raw starches and carbohydrates. 5¢.
- 1307 D. Absorption and retention of hydrocyanic acid by fumigated food products, Part 2. 5¢.

Technical Bulletins:

- 46 T. Flour for pretzels. 5¢.

Department Circulars:

- 129 DC. Milk for the family. 5¢.
- 389 DC. Proximate composition of beef. 5¢.

Circulars:

- 35 C. Commercial production of sauerkraut. 10¢.
- 50 C. Proximate composition of fresh fruits. 5¢.
- 84 C. Vitamins in food materials. 15¢.
- 89 C. Nutritive value and cost of food served to college students. 5¢.

Miscellaneous Circulars:

- 49 MC. Guide to good meals for junior homemaker. 5¢.
- *52 MC. Certification of coal-tar food colors. 5¢.

Leaflets:

- 17 L. Cooking beef according to the cut. 5¢.
- 28 L. Lamb as you like it. 5¢.
- 39 L. Eggs at any meal. 5¢.
- 42 L. Good food habits for children. 5¢.
- 45 L. Pork in preferred ways. 5¢.
- 48 L. Reindeer recipes. 5¢.
- 49 L. Ice creams frozen without stirring. 5¢.
- 66 L. Rabbit recipes. 5¢.

Secretary's Office Circulars:

- *106 SC. Use potatoes to save wheat [with recipes]. 5¢.

Yearbook Separates:

- *592 Y. Some results obtained in studying ripening bananas with respiration calorimeter. 5¢.
- 623 Y. Supplementing our meat supply with fish. 5¢.
- 745 Y. Service of cold storage in conservation of foodstuffs. 5¢.
- 774 Y. Composition and food value of bottled soft drinks. 5¢.
- *857 Y. Milk for midshipmen. 5¢.
- *858 Y. Food for farm families. 5¢.
- 927 Y. Nutritive value of fruits, vegetables, and nuts. 5¢.

Miscellaneous:

- *O. E. S. Bulletin 28. Chemical Composition of American Food Materials. 10¢.
- *O. E. S. Bulletin 69. Metabolism Experiments, 1899. 10¢.
- *O. E. S. Bulletin 136. Metabolism Experiments, 1900-1902. 30¢.
- *O. E. S. Bulletin 175. Metabolism Experiments, 1903-1904. 50¢.
- Aunt Sammy's radio recipes. (Cook Book.) 10¢.

FORESTS AND FORESTRY**Farmers' Bulletins:**

- 622 F. Basket willow culture. 5¢.
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- 1123 F. Growing and planting hardwood seedlings on farm. 5¢.
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- 1209 F. Planting and care of street trees. 5¢.
- 1210 F. Measuring and marketing farm timber. 10¢.

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- 1256 F. Slash Pine. 5¢.
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- 1534 F. Short-leaf pine primer. 10¢.
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- 1591 F. Transplanting trees and shrubs. 10¢.
- 1603 F. Planting and care of shelter belts on the northern Great Plains. 5¢.
- 1628 F. Growing black locust trees. 5¢.

Department Bulletins:

- *152 D. Eastern hemlock. 10¢.
- *153 D. Forest planting in eastern United States. 10¢.
- *234 D. Utilization and management of lodgepole pine in Rocky Mountains. 15¢.
- *308 D. Short-leaf pine, its economic importance and forest management. 15¢.
- *327 D. Spruce and balsam fir trees of Rocky Mountain region. 20¢.
- *474 D. True mahogany. 5¢.
- *479 D. Nursery practice on national forests. 25¢.
- *431 D. Status and value of farm woodlots in eastern United States. 15¢.
- 741 D. Effect of grazing upon aspen reproduction. 10¢.
- 863 D. Forestry lessons on home woodlands. 10¢.
- *894 D. Manual of design and installation of forest service water spray dry kiln. 10¢.
- *933 D. Black walnut, its growth and management. 20¢.
- 950 D. Regional development of pulpwood resources of the Tongass National Forest, Alaska. 10¢.
- *1061 D. Long-leaf pine. 15¢.
- 1113 D. Development of cooperative shelter-belt demonstrations on Northern Great Plains. 10¢.
- 1131 D. Formation and pathological anatomy of frost rings in conifers injured by late frosts. 10¢.
- *1140 D. Deterioration of felled western yellow pine on insect-control projects. 5¢.
- 1176 D. Some results of cutting in the Sierra forests of California. 10¢.
- *1233 D. Forest types in central Rocky Mountains as affected by climate and soil. 30¢.
- *1263 D. Relative resistance of tree seedlings to excessive heat. 5¢.
- *1264 D. Forest planting in intermountain region. 15¢.
- 1291 D. Aspen in central Rocky Mountain region. 15¢.
- *1329 D. Bamboos, their culture and uses in United States. 20¢.
- 1402 D. Timber growing and logging practice in California pine region; measures necessary to keep forest land productive and to produce full timber crops. 10¢.
- 1437 D. Red alder of Pacific Northwest, its utilization with notes on growth and management. 10¢.
- 1491 D. Timber growing and logging practice in central hardwood region; measures necessary to keep forest land productive and to produce full timber crops. 15¢.
- *1493 D. Timber growing and logging practice in Douglas fir region, measures necessary to keep forest land productive and to produce full timber crops. 15¢.
- 1494 D. Timber growing and logging practice in western white pine, and larch-fir forests of northern Rocky Mountains, measures necessary to keep forest land productive and to produce full timber crops. 15¢.
- 1495 D. Cover type and fire control in the national forests of northern California. 10¢.
- 1496 D. Timber growing and logging practice in the Lake States. 20¢.
- 1497 D. Forest planting in the Lake States. 20¢.
- 1499 D. Timber growing and cutting practice in the lodgepole pine region. 15¢.

Technical Bulletins:

- 92 T. The economic aspects of forest destruction in northern Michigan. 25¢.
- 104 T. Deterioration of wind-thrown timber on the Olympic Peninsula, Washington. 10¢.
- 132 T. Decay of slash of northern white pine in southern New England. 5¢.
- 139 T. The properties of western hemlock and their relation to uses of the wood. 30¢.
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Technical Bulletins—Continued.

- 155 T. Quaking aspen, a study in applied forest pathology. 10¢.
- 156 T. Investigations in weed control by zinc sulphur and other chemicals at the Savenac Forest Nursery. 15¢.
- 158 T. Comparative strength properties of woods grown in the United States. 10¢.
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- *5 DC. Out-of-door playgrounds of the San Isabel National Forest. 5¢.
- *8 DC. Arbor day. 5¢.
- *91 DC. The land of beautiful waters, Chelau National Forest. 5¢.
- 112 DC. Timber depletion and the answer. 5¢.
- *132 DC. Mountain vacation land, Washington National Forest. 10¢.
- *138 DC. In the open national forests of Washington. 20¢.
- *211 DC. Government forest work. 10¢.
- *239 DC. State forestry laws of 1921. 5¢.
- *240 DC. National forests of New Mexico. 5¢.
- *292 DC. Slash disposal in western white-pine forests in Idaho. 5¢.
- *313 DC. Purchase of land for national forests under act of Mar, 1, 1911, the Weeks law. 5¢.
- *318 DC. National forests of Arizona. 5¢.
- *359 DC. State forestry laws of 1922 and 1923. 10¢.
- 421 DC. Control of stain, decay, and other seasoning defects in red gum. 10¢.

Circulars:

- 19 C. Forests and floods. 10¢.
- 21 C. America and the world's woodpile. 5¢.
- 37 C. The protection forests of the Mississippi River watershed and their part in flood prevention. 10¢.
- 92 C. Forest nursery and planting practice in the California pine region. 15¢.
- 124 C. Rate of growth of second growth southern pines in full stands. 15¢.

Miscellaneous Circulars:

- 5 MC. In the land of the ancient cliff dweller. 5¢.
- *15 MC. Importance of forestry and national forests. 5¢.
- *16 MC. Tree distribution [in Nebraska] under Kinkaid Act of 1911. 5¢.
- *36 MC. Wichita National Forest and Game Preserve. 5¢.
- 40 MC. White pine is profitable if protected from blister rust. 5¢.
- *47 MC. What the national forests mean to the intermountain region. 5¢.
- *48 MC. What national forests mean to Montana. 10¢.
- *71 MC. National forest resources of Utah. 10¢.
- *75 MC. Harvesting timber crops in national forests of the East and South. 5¢.
- *82 MC. National forests of Wyoming. 10¢.
- 91M C. Forestry program for women's organizations. 5¢.
- *92 MC. Check list of forest trees of United States, their names and ranges. 40¢.
- *94 MC. National forests of California. 15¢.
- *98 MC. The forest, handbook for teachers. 30¢.
- 100 MC. Natural replacement of blight-killed chestnut. 5¢.

Miscellaneous Publications:

- *18 MP. National forests of Colorado. 15¢.
- 24 MP. Growing pine timber for profit in the South; some examples, estimates, and opinions by lumbermen and others. 5¢.
- *26 MP. Why grow timber? 5¢.
- *39 MP. Rio Grande National Forest, Colo. 5¢.
- 41 MP. Pulp-timber resources of southern Alaska. 15¢.
- 45 MP. Forestry clubs for young people. 5¢.
- 46 MP. Strength of North American woods. 5¢.
- 50 MP. Volume, yield, and stand tables for second-growth southern pines. 25¢.
- 55 MP. Pocket guide to Alaska trees. 15¢.
- 61 MP. Forest planting at Biltmore, N. C. 15¢.
- 70 MP. Glossary of terms used in fire control. 10¢.
- 82 MP. How the national forests of California benefits the State. 5¢.
- 87 MP. Profits from farm woods. 5¢.
- 90 MP. Range and forest resources of Utah, their protection and use. 30¢.

Publications preceded by an asterisk (*) are not for free distribution.

Leaflets:

- 18 L. Bamboos and bamboo culture. 5¢.
- 29 L. Farm woods, a savings bank paying interest. 5¢.
- 30 L. Cutting the farm woods "profit wise." 5¢.
- 32 L. Planting southern pine. 5¢.
- 35 L. Producing pine nursery stock in the South. 5¢.
- 40 L. Woods burning in the South. 5¢.
- 55 L. Small trees wasteful to cut for sawtimber. 5¢.
- 57 L. Pulpwood crops in the Northeast. 5¢.
- 58 L. Making a model to show how forests prevent erosion. 5¢.

Secretary's Office Circulars:

- *79 SC. Emergency fuel from the farm woodland. 5¢.
- *129 SC. Private forestry. 5¢.
- 148 SC. A policy of forestry for the Nation. 5¢.
- *183 SC. Forest experiment stations. 10¢.

Yearbook Separates:

- *779 Y. Farm woodlands and the war. 5¢.
- 835 Y. Wood for the Nation. 5¢.
- 847 Y. How the public forests are handled. 5¢.
- 886 Y. Timber, mine or crop. 15¢.
- 910 Y. Forestry and forest products. 5¢.
- *943 Y. Bamboo groves thrive in the United States. 5¢.
- 945 Y. Chinese elm in American horticulture. 5¢.
- 1005 Y. Holly from China suited to wide areas in United States. 5¢.
- 1012 Y. Tung-oil tree does best in southeast coastal regions. 5¢.
- 1014 Y. Tree giants in Sequoia groves are menaced by tourists. 5¢.

Miscellaneous:

- *Forest trees of the Pacific slope. 60¢.
- National forest receipts for the benefit of schools and roads.
- *Instructions for appraising stumpage on national forests. 10¢.
- *Guidebook for identification of woods used for ties and timbers. 30¢.
- *What the national forests mean to the water user. 10¢.
- Vacation in the national forests. (Leaflet.)
- *Telephone trouble book, District I. 25¢.
- *Trail construction on the national forests.
- *Instructions for making timber surveys in national forests, including classification of forest types. 25¢.
- *National forests of southern Appalachians, what they mean to the East and South. 15¢.
- *National forests of Arizona. 5¢.
- *Ideal vacation land, national forests in Oregon. 15¢.
- *Oregon caves. 10¢.
- Help prevent woods fires. (Leaflet.)
- Pines for profit. (Leaflet.)
- *Sharpening cross-cut saws. 25¢.
- *The story of the range. 25¢.
- Grazing use book. 15¢.

FOREST PRODUCTS**Department Bulletins:**

- *12 D. Uses of commercial woods of United States; beech, birches, maples. 10¢.
- *232 D. Production of lumber in 1913. 5¢.
- *286 D. Strength tests of structural timbers treated by commercial wood-preserving processes. 5¢.
- *508 D. Yields from destructive distillation of certain hardwoods, second progress report. 5¢.
- *552 D. Seasoning of wood. 10¢.
- *556 D. Mechanical properties of woods grown in United States. 10¢.
- *673 D. Production of lumber, lath, and shingles in 1916. 5¢.
- *753 D. Use of wood for fuel. 10¢.
- *768 D. Production of lumber, lath, and shingles in 1917. 10¢.
- *845 D. Production of lumber, lath, and shingles in 1918. 10¢.
- *909 D. Utilization of black walnut. 30¢.
- *983 D. Manufacture of ethyl alcohol from wood waste. 15¢.
- *1003 D. Distillation of stumpwood and logging waste of Western yellow pine. 15¢.
- 1007 D. Utilization of basswood. 20¢.
- *1037 D. Control of sap-stain, mold, and incipient decay in green wood with special reference to vehicle stock. 15¢.
- *1050 D. Identification of true mahogany, certain so-called mahoganies, and some common substitutes. 10¢.
- *1053 D. Studies of certain fungi of economic importance in decay of building timbers. 15¢.
- *1064 D. Oleoresin production. 20¢.
- *1119 D. Lumber cut in United States, 1870-1920, declining production and high prices as related to forest exhaustion. 15¢.
- 1128 D. Decays and discolorations in airplane woods. 20¢.
- 1136 D. Kiln drying handbook. 30¢.
- *1425 D. Air seasoning of western softwood lumber. 25¢.
- 1436 D. Utilization of dogwood and persimmon. 15¢.
- *1500 D. The gluing of wood. 25¢.

Publications preceded by an asterisk (*) are not for free distribution.

Technical Bulletins:

- 167 T. Tests of large timber columns and presentation of the forest products laboratory column formula. 15¢.
- 171 T. Principles of box and crate construction. 55¢.
- 174 T. The air seasoning of wood. 35¢.
- 205 T. Gluing wood in aircraft manufacture. 25¢.

Department Circulars:

- *64 DC. How lumber is graded. 10¢.
- *78 DC. Machine for trimming camphor trees. 5¢.
- *223 DC. Important forest trees of eastern United States. 5¢.
- *295 DC. Basic grading rules and working stresses for structural timbers. 5¢.
- *296 DC. Standard grading specifications for yard lumber. 20¢.
- 327 DC. French turpentinizing system applied to longleaf pine. 5¢.
- *393 DC. Industrial outlets for short-length softwood yard lumber. 10¢.

Circulars:

- 105 C. Knotty lumber for boxes. 10¢.
- 131 C. Utilization of black locust. 10¢.

Miscellaneous Circulars:

- *39 MC. Report of National Conference on Utilization of Forest Products, Washington, D. C., Nov. 19 and 20, 1924. 20¢.
- 66 MC. Identification of furniture woods. 25¢.

Leaflets:

- 62 L. Why some wood surfaces hold paint longer than others. 5¢.

Yearbook Separates:

- *276 Y. Chemical studies of some forest products of economic importance. 5¢.
- *670 Y. Osage orange waste as a substitute for fustic dyewood. 5¢.
- *835 Y. Wood for the Nation. 5¢.
- 856 Y. Putting wood waste to work. 5¢.

FRUIT GROWING

(See also under names of fruits)

Farmers' Bulletins:

- 685 F. The native persimmon. 5¢.
- 727 F. Growing fruit for home use in the Great Plains area. 5¢.
- 776 F. Growing cherries east of Rocky Mountains. 5¢.
- 1001 F. Growing fruit for home use. 10¢.
- 1031 F. Fig growing in the South Atlantic and Gulf States. 5¢.
- 1128 F. Control of aphids injurious to orchard fruits, currant, gooseberry, and grape. 10¢.
- 1237 F. Pineapple culture in Florida. 10¢.
- 1249 F. Olive growing in southwestern United States. 5¢.
- 1372 F. Plum and prune growing in Pacific States. 10¢.
- 1522 F. Home fruit gardens on northern Great Plains. 10¢.

Department Bulletins:

- *223 D. Botanical character of leaves of date palm used in distinguishing cultivated varieties. 10¢.
- *271 D. Dates of Egypt and the Sudan. 20¢.
- 732 D. Smyrna fig culture. 10¢.
- *830 D. Effect of temperature on resistance to wounding of certain small fruits and cherries. 5¢.
- *1125 D. Saidy date of Egypt, variety of first rank adapted to commercial culture in United States. 15¢.
- *1189 D. Fruits in West Virginia, Kentucky, and Tennessee. 15¢.
- *1215 D. Chinese jujube. 10¢.
- 1457 D. Date culture in Egypt and the Sudan. 25¢.
- 1477 D. Varietal characteristics of plums in Pacific States in relation to pruning. 45¢.

Department Circulars:

- *58 DC. Fruit growing on northern Great Plains. 5¢.
- 416 DC. Demand, marketing, and production of Oregon and Washington prunes. 10¢.

Circulars:

- 49 C. Culture and outdoor winter storage of persimmons in vicinity of Peking, China. 5¢.
- 59 C. Removal of spray residue from apples and pears in Pacific Northwest. 5¢.
- 98 C. The wonderful variety of pomegranate. 5¢.

Yearbook Separates:

- *618 Y. Promising new fruits. 15¢.
- *686 Y. Color as indication of picking maturity of fruits and vegetables. 10¢.
- 944 Y. Chinese jujube in southwestern United States. 5¢.
- *947 Y. Olives of the Barouni variety do well. 5¢.
- 949 Y. Date growing, a new industry for Southwest States. 5¢.
- *1020 Y. Fruit improvement work advanced at experiment stations. 5¢.
- *1021 Y. Mango of carabao variety brought from Philippines is promising. 5¢.
- 1024 Y. Date plantings free from pests, in irrigated Southwest. 5¢.

FUR-BEARING ANIMALS

Farmers' Bulletins:

- 587 F. Economic value of North American skunks. 5¢.
- 869 F. Muskrat as fur bearer with notes on its use as food. 5¢.
- 1247 F. American moles as agricultural pests and as fur producers. 5¢.
- 1519 F. Rabbit skins for fur. 5¢.
- 1568 F. Rabbit parasites and diseases. 5¢.
- 1598 F. Mountain beavers in the Pacific Northwest: Their habits, economic status, and control. 5¢.
- 1648 F. Fur laws for the season 1930-1931. 5¢.

Department Bulletins:

- *1151 D. Silver-fox farming. 15¢.
- 1350 D. Blue-fox farming in Alaska. 10¢.

Technical Bulletins:

- 21 T. Beaver habits and experiments in beaver culture. 20¢.

Circulars:

- 82 C. Improved reindeer handling. 5¢.
- 107 C. The normal breeding season and gestation period of Martens. 5¢.

Miscellaneous Circulars:

- *69 MC. Construction and operation of Biological Survey beaver trap. 5¢.

Leaflets:

- 4 L. Raising domestic rabbits. 5¢.
- 6 L. Experimental fur farm of Biological Survey. 5¢.
- 8 L. Mink raising. 5¢.
- 15 L. Rabbit house construction. 5¢.
- 22 L. Chinchilla rabbits for food and fur. 5¢.
- 27 L. Recommendations to beginners in fur farming. 5¢.
- 47 L. Hygiene in fox farming. 5¢.

GAME, GAME LAWS, AND REGULATIONS

Farmers' Bulletins:

- 1612 F. Propagation of aquatic game birds. 10¢.
- 1613 F. Propagation of upland game birds. 10¢.
- 1647 F. Game laws for the season 1930-1931. 5¢.
- 1648 F. Fur laws for the season 1930-1931. 5¢.

Department Bulletins:

- 205 D. Eleven important wild-duck foods. 5¢.
- 465 D. Propagation of wild-duck foods. 10¢.
- *672 D. Duck sickness in Utah. 10¢.
- *720 D. Food habits of mallard ducks of United States. 5¢.
- 793 D. Lead poisoning in waterfowl. 5¢.
- *794 D. Waterfowl and their food plants in the sandhill region of Nebraska: Pt. 1, Waterfowl in Nebraska; Pt. 2, Wild-duck foods of the sandhill region of Nebraska. 15¢.
- 1089 D. Reindeer in Alaska. 25¢.
- *1145 D. Migration records from wild ducks and other birds banded in Salt Lake Valley, Utah. 5¢.
- 1346 D. Status of pronghorned antelope, 1922-1924. 15¢.
- 1423 D. Progress of reindeer grazing investigations in Alaska. 15¢.

Technical Bulletins:

- 147 T. The habits and economic importance of alligators. 10¢.

Department Circulars:

- *63 DC. Directory of officials and organizations concerned with the protection of birds and game, 1919. 5¢.
- *88 DC. Annual report of the Governor of Alaska on the Alaska game law, 1919. 5¢.
- *161 DC. Pisgah National Game Preserve, regulations and information for the public. 5¢.
- *168 DC. Annual report of Governor of Alaska on Alaska game law, 1920. 5¢.
- *182 DC. Migratory bird treaty act, extract from charge delivered to grand jury in district court of United States for middle district of Alabama at Opelika, Apr. 4, 1921. 5¢.
- *202 DC. Migratory bird treaty act, United States v. Joseph H. Lumpkin. 5¢.
- *225 DC. Annual report of Governor of Alaska on Alaska game law, 1921. 5¢.
- *242 DC. Directory of officials and organizations concerned with protection of birds and game, 1922. 5¢.
- 260 DC. Annual report of Governor of Alaska on Alaska game law, 1922. 5¢.
- *293 DC. Directory of officials and organizations concerned with protection of birds and game, 1923. 5¢.
- *360 DC. Directory of officials and organizations concerned with protection of birds and game, 1925. 5¢.

Circulars:

- 96 C. Game birds suitable for naturalizing in the United States. 10¢.
- 118 C. Calculating waterfowl abundance on the basis of banding returns. 5¢.

Miscellaneous Publications:

- 6 MP. Directory of officials and organizations concerned with protection of birds and game, 1927. 5¢.
 *30 MP. Directory of officials and organizations concerned with protection of birds and game, 1928. 5¢.
 51 MP. National wild-life reservation. 5¢.
 57 MP. Directory of officials and organizations concerned with the protection of birds and game. 1929. 5¢.
 92 MP. Directory of officials and organizations concerned with the protection of birds and game, 1930. 5¢.

Leaflets:

- 50 L. How to make a cat trap. 5¢.
 59 L. Hints on wolf and coyote trapping. 5¢.

Yearbook Separates:

- 723 Y. Great Plains waterfowl breeding grounds and their protection. 5¢.
 *785 Y. Federal protection of migratory birds. 5¢.
 823 Y. Trapping on the farm. 5¢.
 836 Y. Conserving our wild animals and birds. 5¢.

GARDENING: HOME AND SCHOOL*(See also under Diseases; Insects)***Farmers' Bulletins:**

- 218 F. School garden. 5¢.
 937 F. Farm garden in the North. 5¢.
 1044 F. City home garden. 5¢.
 1242 F. Permanent fruit and vegetable gardens. 5¢.

GARDENING, TRUCK*(See also under Diseases; Insects)***Farmers' Bulletins:**

- 232 F. Okra, its culture and uses. 5¢.
 354 F. Onion culture. 5¢.
 433 F. Cabbage. 5¢.
 434 F. Onion seeds and sets. 5¢.
 829 F. Asparagus. 5¢.
 1064 F. Production of late or main-crop potatoes. 5¢.
 1253 F. Seed peas for the canner. 5¢.
 1255 F. Production of peas for canning. 5¢.
 1269 F. Celery growing. 5¢.
 1338 F. Tomatoes as a truck crop. 5¢.
 1563 F. Cucumber growing. 5¢.
 1609 F. Lettuce growing. 5¢.
 1620 F. Growing cucumbers for pickling. 5¢.
 1646 F. Asparagus growing. 5¢.

GRAINS*(See also under name of grain)***Farmers' Bulletins:**

- 786 F. Fall-sown grains in Maryland and Virginia. 5¢.
 793 F. Foxtail millet, its culture and utilization. 5¢.
 800 F. Grains for dry lands of Oregon. 5¢.
 827 F. Shallu; Egyptian wheat. 5¢.
 878 F. Grains for western North and South Dakota. 5¢.
 883 F. Grains for Utah dry lands. 5¢.
 965 F. Growing grain sorghums in San Antonio district of Texas. 5¢.
 1062 F. Buckwheat. 5¢.
 1103 F. Growing irrigated grain in southern Idaho. 5¢.
 1137 F. Grain sorghums, how to grow them. 5¢.
 1158 F. Growing and utilizing sorghums for forage. 5¢.
 1162 F. Proso, or hog millet. 5¢.
 1290 F. Bulk handling of grain. 5¢.
 1429 F. Emmer and spelt. 5¢.
 1464 F. Barley: Culture, uses, and varieties. 5¢.
 1542 F. Cleaning grain on farms and in country elevators. 5¢.
 1577 F. Harvesting grain sorghums. 5¢.
 1619 F. Sorgo for sirup production, harvesting, and handling. 10¢.
 1636 F. Farm bulk storage for small grains. 10¢.

Department Bulletins:

- *188 D. Importance of thick seeding in the production of milo in the San Antonio region. 5¢.
 *558 D. Marketing grain at country points. 5¢.
 698 D. Grain-sorghum experiments in Panhandle of Texas. 15¢.
 *789 D. Notes on grain pressures in storage bins. 5¢.
 *569 D. Inheritance of the length of internode in the rachis of the barley spike. 5¢.

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Department Bulletins—Continued.

- *976 D. Culture experiments with grain sorghums in the Texas Panhandle. 10¢.
- 1065 D. The test weight of grain, a simple method of determining the accuracy of the testing apparatus. 5¢.
- 1129 D. Physical and chemical study of milo and feterita kernels. 5¢.
- *1175 D. Grain-sorghum experiments at the Woodward Field Station in Oklahoma. 15¢.
- 1197 D. Experiment with emmer, spelt, and einkorn. 10¢.
- 1260 D. Sorghum experiments on the Great Plains. 15¢.
- *1309 D. Experiments with small grains on Arlington Experiment Farm. 10¢.
- *1334 D. Tests of barley varieties in America. 30¢.
- 1386 D. Some panicle characters of sorgo. 20¢.

Technical Bulletins:

- 100 T. Respiration of sorghum grains. 5¢.
- 121 T. Methods of harvesting grain sorghums. 10¢.
- 131 T. Spacing and date-of-seeding experiments with grain sorghums. 10¢.

Department Circulars:

- *124 DC. Spur feterita. 5¢.
- *208 DC. Trebi barley, a superior variety for irrigated land. 5¢.

Circulars:

- 52 C. Varietal standardization of sorgo and the selection of seed. 10¢.
- 119 C. Relation of dust fungicides to flow of small grains through drills and to drill injury. 5¢.
- 127 C. Grain drying at a country elevator. 5¢.

Miscellaneous Circulars:

- 56 MC. Cleaning grain with Bates aspirator. 10¢.

Yearbook Separates:

- 766 Y. Farmer and Federal grain supervision. 5¢.
- *769 Y. Place of rye in American agriculture. 5¢.

GRAPES**Farmers' Bulletins:**

- 471 F. Grape propagation, pruning, and training. 5¢.
- 1220 F. Insect and fungous enemies of the grape. 10¢.
- 1454 F. Home utilization of muscadine grapes. 5¢.
- 1558 F. Preparation of eastern grapes for market. 5¢.

Department Bulletins:

- *550 D. Control of grape-berry moth in Erie-Chautauqua grape belt. 10¢.
- 656 D. Concord grape juice, manufacture and chemical composition. 5¢.
- 861 D. Marketing eastern grapes. 10¢.
- *903 D. Grape phylloxera in California. 30¢.

Technical Bulletins:

- 146 T. Testing phylloxera-resistant grape stocks in the vinefera regions of the United States. 20¢.

Circulars:

- 44 C. Marketing California grapes. 25¢.
- 83 C. The handling of California table grapes. 5¢.

GRASSES, FORAGE CROPS, AND GRAZING**Farmers' Bulletins:**

- *945 F. Eradication of Bermuda grass. 5¢.
- 967 F. Purple vetch. 5¢.
- *1048 F. Rhodes grass. 5¢.
- *1072 F. Prickly pear as a stock feed. 5¢.
- 1126 F. Sudan grass. 5¢.
- 1143 F. Lespedeza as a forage crop. 5¢.
- 1148 F. Cowpeas, culture and varieties. 5¢.
- 1153 F. Cowpeas utilization. 5¢.
- 1254 F. Important cultivated grasses. 5¢.
- 1276 F. Velvet bean. 5¢.
- 1433 F. Cultivated grasses of secondary importance. 10¢.
- 1511 F. Forage crops and their culture in northern Nebraska and the Dakotas. 10¢.
- 1520 F. Soy beans, culture and varieties. 5¢.
- 1537 F. Johnson grass as a weed. 5¢.
- 1573 F. Legume hays for milk production. 5¢.
- 1574 F. Preparing Johnson grass for market in the Black Prairie Belt of Alabama and Mississippi. 5¢.
- 1597 F. The production of Johnson grass for hay and pasturage. 5¢.
- 1602 F. Reed canary grass. 5¢.
- 1605 F. Soybean hay and seed production. 5¢.
- 1617 F. Soybean utilization. 5¢.

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Department Bulletins:

- *34 D. Range improvement by deferred and rotation grazing. 5¢.
- *211 D. Factors affecting range management in New Mexico. 15¢.
- *353 D. Moisture content and shrinkage of forage. 10¢.
- *461 D. Identification of grasses by their vegetative characters. 5¢.
- *580 D. Effects of grazing upon western yellow pine reproduction in the national forests of Arizona and New Mexico. 10¢.
- *772 D. Genera of grasses of United States, with special reference to the economic species. 40¢.
- 1170 D. Effects of different systems and intensities of grazing upon native vegetation at the Northern Great Plains Field Station. 15¢.
- 1244 D. Forage crops in relation to the agriculture of semiarid portion of the northern Great Plains. 10¢.
- 1345 D. Saltbushes and their allies in United States. 15¢.
- *1405 D. Grazing periods and forage production on national forests. 15¢.
- 1450 D. Life history of timothy. 25¢.

Technical Bulletins:

- 93 T. Four species of range plants not poisonous to livestock. 5¢.
- 113 T. Arrow grass. 5¢.
- 114 T. Sleepy grass. 5¢.

Department Circulars:

- *9 DC. Meadow fescue. 5¢.
- *50 DC. Sudan grass. 5¢.
- *118 DC. Field pea. 5¢.
- *317 DC. Korean lespedeza, new forage crops. 5¢.
- *374 DC. Winter field peas, their value as winter cover and green-manure crop. 5¢.

Circulars:

- 62 C. The utilization of browse forage as summer range for cattle in southwestern Utah. 10¢.

Yearbook Separates:

- 895 Y. Our forage resources. 20¢.

HAY, HAYMAKING, AND MARKETING

Farmers' Bulletins:

- *977 F. Hay caps. 5¢.
- *987 F. Labor-saving practices in haymaking. 5¢.
- 1525 F. Effective haying equipment and practices for northern Great Plains and intermountain regions. 10¢.
- 1573 F. Legume hays for milk production. 5¢.
- 1574 F. Preparing Johnson grass for market in Black Prairie Belt of Alabama and Mississippi. 5¢.
- 1597 F. The production of Johnson grass for hay and pasturage. 5¢.
- 1605 F. Soybean hay and seed production. 5¢.
- 1615 F. Hay stackers and their use. 5¢.

Department Bulletins:

- *873 D. The shrinkage of market hay. 5¢.
- 977 D. Marketing hay at country points. 5¢.
- 978 D. Weighing of market hay. 10¢.
- 979 D. Marketing hay through terminal markets. 10¢.
- 980 D. Inspection and grading of hay. 5¢.

Technical Bulletins:

- 141 T. The spontaneous combustion of hay. 10¢.

Yearbook Separates:

- 916 Y. Hay. 20¢.

HOGS

Farmers' Bulletins:

- 781 F. Tuberculosis of hogs. 5¢.
- 834 F. Hog cholera, prevention and treatment. 5¢.
- 985 F. Systems of hog farming in Southeastern States. 5¢.
- 1085 F. Hog lice and hog mange, methods of control and eradication. 5¢.
- 1133 F. Feeding garbage to hogs. 5¢.
- 1186 F. Pork on farm, killing, curing, and canning. 5¢.
- 1244 F. Diseases, ailments, and abnormal conditions of swine. 5¢.
- 1263 F. Breeds of swine. 5¢.
- 1357 F. Castration of hogs. 5¢.
- 1437 F. Swine production. 5¢.
- 1455 F. Fitting, showing, and judging hogs. 5¢.
- 1487 F. Practical hog houses. 5¢.
- 1490 F. Hog-lot equipment. 5¢.
- 1504 F. Self-feeding versus hand-feeding of swine. 5¢.

Department Bulletins:

- 752 D. Utilization of irrigated field crops for hog pasturing. 10¢.
- *1300 D. Corn and hog correlations. 10¢.
- *1381 D. Cost of producing hogs in Iowa and Illinois, 1921-22. 10¢.
- 1407 D. Some results of soft-pork investigations, I. 15¢.
- *1440 D. Factors affecting price of hogs. 15¢.
- 1492 D. Some results of soft-pork investigations, II. 15¢.

Technical Bulletins:

- 44 T. Swine sanitation system as developed by Bureau of Animal Industry in McLean County, Ill. 5¢.

Miscellaneous Publications:

- 79 MP. Anthelmintics for the removal of thorn-head worms in swine. 5¢.

Miscellaneous Circulars:

- 57 MC. Tattoo method of marking hogs and its use. 5¢.

Leaflets:

- 5 L. Prevention of round worms in pigs. 5¢.

Yearbook Separates:

- *753 Y. Pig clubs and the swine industry. 5¢.
 793 Y. Practical points in hog cholera control. 5¢.
 841 Y. Runts, and the remedy. 5¢.
 989 Y. Pork curing needs extreme care to give best results. 5¢.
 992 Y. Hog industry losing much on pigs that don't get to market. 5¢.
 1050 Y. Hogs can be produced profitably in parts of northern Great Plains. 5¢.
 1052 Y. Hog profits increased by proper selection of foundation animals. 5¢.
 1054 Y. Hog cholera losses can be much reduced by sanitary measures. 5¢.

HOME ECONOMICS

(See also under Canning and Preserving; Foods and Menues)

Farmers' Bulletins:

- 927 F. Farm home conveniences. 5¢.
 960 F. Neufchatel and cream cheese, farm manufacture and use. 5¢.
 1075 F. Unfermented grape juice, how to make it in the home. 5¢.
 1180 F. Housecleaning made easier. 5¢.
 1191 F. Making American cheese on farm. 5¢.
 1219 F. Floors and floor covering. 5¢.
 1264 F. Farm manufacture of unfermented apple juice. 5¢.
 1374 F. Care of food in the home. 5¢.
 1424 F. Making vinegar in the home and on the farm. 5¢.
 1449 F. Selection of cotton fabrics. 5¢.
 1450 F. Home baking. 5¢.
 1471 F. Canning fruits and vegetables at home. 5¢.
 1474 F. Stain removal from fabrics, home methods. 5¢.
 1497 F. Methods and equipment for home laundering. 5¢.
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 1530 F. Fitting dresses and blouses. 10¢.
 1553 F. Planning and recording family expenditures. 5¢.
 1633 F. Window curtaining. 10¢.

Department Bulletins:

- *469 D. Fats and their economical use in the home. 5¢.
 1025 D. Studies in the clarification of unfermented fruit juices. 5¢.

Technical Bulletins:

- 8 T. Dietary scales and standards for measuring a family's nutritive needs. 5¢.
 105 T. A short method of calculating energy, protein, phosphorus, and iron in the diet. 5¢.
 *108 T. Stiffness in fabrics produced by different starches and starch mixtures, and a quantitative method for evaluating stiffness. 10¢.
 148 T. The frozen pack method of preserving berries in the Pacific Northwest. 10¢.

Department Circulars:

- *2 DC. Sewing for girls' club work. 5¢.
 *207 DC. The paper dress form. 5¢.

Miscellaneous Circulars:

- 90 MC. Score cards for judging clothing selection and construction. 5¢.

Miscellaneous Publications:

- 4 MP. Present trends in home sewing. 5¢.
 *31 MP. Changing uses of textile fabrics in clothing and household articles. 10¢.
 62 MP. Bibliography on the relation of clothing to health. 25¢.
 78 MP. An annotated list of literature references on garments, sizes, and body measurements. 10¢.

Leaflets:

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 63 L. Ensembles for sunny days. 5¢.

Yearbook Separates:

- 991 Y. Meat problems yield to studies by State and Federal workers. 5¢.

HORSES AND MULES

Farmers' Bulletins:

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- 1146 F. Dourine of horses. 5¢.
- 1341 F. Mule production. 5¢.
- 1368 F. Breaking and training colts. 5¢.
- 1419 F. Care and management of farm work horses. 5¢.
- 1493 F. Lice, mange, and ticks of horses, and methods of control and eradication. 5¢.
- 1503 F. Horse bots and their control. 5¢.
- 1535 F. Farm horseshoeing. 5¢.

Department Bulletins:

- *929 D. Cottonseed meal for horses. 5¢.

Department Circulars:

- 199 DC. Breeding Morgan horses at the U. S. Morgan Horse farm. 10¢.

Yearbook Separates:

- *692 Y. Stallion legislation and horse-breeding industry. 5¢.

Miscellaneous:

- *Special report on diseases of the horse. 1924. \$1.

INSECTICIDES, FUNGICIDES, AND DISINFECTANTS

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- 908 F. Information for fruit growers about insecticides, spraying apparatus, and important insect pests. 15¢.
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- 994 F. Commercial Bordeaux mixtures, how to calculate their value. 5¢.
- 1285 F. Lime-sulphur concentrates, preparation, uses, and designs for plants. 5¢.
- *1356 F. Tobacco hornworm insecticide, recommendations for use of powder arsenate of lead in dark-tobacco district. 5¢.

Department Bulletins:

- *197 D. Homemade lime-sulphur concentrate. 5¢.
- *707 D. Results of experiments with miscellaneous substances against bedbugs, cockroaches, clothes moths, carpet beetles. 5¢.
- *750 D. Methods for preparing commercial grade of calcium arsenate. 5¢.
- 795 D. Adulteration of insect powder with powdered daisy flowers. 5¢.
- 824 D. Insect powder [or pyrethrum powder]. 20¢.
- 893 D. Experiments on toxic action of certain gases on insects, seeds and fungi. 5¢.
- 1115 D. Chemical changes in calcium arsenate during storage. 10¢.
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Technical Bulletins:

- 80 T. Tests of blowfly baits and repellents during 1926. 5¢.
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Circulars:

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- Effect of smelter fumes upon the livestock industry in the Northwest. 10¢.

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(See also under name of animal)

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 857 F. Screw worms and other maggots affecting animals. 5¢.
 897 F. Fleas and their control. 5¢.
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 1596 F. Cattle grubs or heel flies, with suggestions for their control. 5¢.
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Department Bulletins:

- *1218 D. Horseflies, biologies and relation to western agriculture. 10¢.
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Technical Bulletins:

- 52 T. Classification of higher groups and genera of coccid family Margarodidae. 50¢.

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- 184 DC. State laws and court decisions relating to cattle-tick eradication. 5¢.
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- 25 MP. Calendar of livestock parasites. 5¢.

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(See also under name of tree)

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(See also under name of fruit)

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(See also under name of flower or plant)

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Circulars:

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Yearbook Separates:

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(See also under name of grain, forage, etc.)

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Circulars:

- 72 C. Financial settlements of defaulting irrigation enterprises. 10¢.

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- *703 Y. Pumping for irrigation on the farm. 5¢.
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Farmers' Bulletins:

- 1526 F. Clearing land of brush and stumps. 10¢.

Department Bulletins:

- 874 D. Farm land values in Iowa. 10¢.
- *1224 D. Relation of land income to land value. 15¢.

Miscellaneous publications:

- 97 MP. Land utilization and the farm problem. 25¢.

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- *771 Y. Arable land in the United States. 5¢.
- *896 Y. Utilization of our lands for crops, pasture, and forests. 15¢.

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Department Circulars:

- 251 DC. Federal legislation, regulations and rulings affecting land-grant colleges and experiment stations. 10¢.

Miscellaneous Circulars:

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 *22 MC. Naval stores act, and regulations for its enforcement, effective Mar. 1, 1924. 5¢.
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Miscellaneous publications:

- 43 MP. Food, Drug, and Insecticide Administration of the Department of Agriculture. 10¢.
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 116 SC. General regulations governing licenses operating stockyards for handling or dealing in livestock in or in connection with stockyards. 5¢.
 128 SC. Regulations governing entrance to veterinary inspector examinations, promulgated by Secretary of Agriculture, etc., effective July 1, 1921. 5¢.

Miscellaneous:

Food and Drug Administration Service and Regulatory Announcements.

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 No. 2. Acceptable antidotes for dangerous caustic or corrosive substances covered by Federal caustic act. 1928. 5¢.

Food and drug:

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Import milk:

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 1334 F. Home tanning of leather and small fur skins. 5¢.
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Department Bulletins:

- 1168 D. Wearing qualities of shoe leather. 10¢.

Technical Bulletins:

- 169 T. The wearing quality and other properties of vegetable-tanned and chrome-retanned sole leather. 5¢.

Leaflets:

- 69 L. Preservation of leather bookbindings. 5¢.

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- 1033 Y. Belt failure often caused by neglect of faulty instillation. 5¢.
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LIVESTOCK

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 1428 F. Saving livestock from starvation on southwestern ranges. 5¢.
 1502 F. Cooperative livestock shipping associations. 5¢.

Department Bulletins:

- 589 D. Twenty-eight-hour law regulating the interstate transportation of livestock, its purpose, requirement, and enforcement. 10¢.

- *1150 D. Accounting records and business methods for livestock shipping associations. 10¢.

- 1360 D. Market classes and grades of livestock. 15¢.

Technical Bulletins:

- *68 T. Ranch organization and methods of livestock production in the Southwest. 25¢.
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Department Circulars:

*228 DC. Livestock industry in South America. 5¢.

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Circulars:

86 C. A business analysis of the Producers Livestock Commission Association of National Stockyards, Illinois. 10¢.

140 C. Handling livestock during drought. 5¢.

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*866 Y. Livestock associations. 5¢.

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14 MP. Pooling as practiced by cooperative marketing associations. 5¢.

Yearbook Separates:

*699 Y. Federated cooperative cheese manufacturing and marketing association. 5¢.

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Farmers, Bulletins:

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Department Bulletin:

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Department Circulars:

- 217 DC. Anthracnose of muskmelons. 5¢.

Circulars:

- 74 C. Chemical injury to watermelons in transit. 5¢.

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*193 DC. Fulghum oats. 5¢.

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- *34 MC. List of workers in subjects pertaining to agriculture in State agricultural colleges and experiment stations, 1924-25. 15¢.
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- *58 MC. Workers in subjects pertaining to agriculture in State agricultural colleges and experiment stations, 1925-26. 15¢.
- *73 MC. List of technical workers in Department of Agriculture, 1926. 15¢.
- *80 MC. Directory of field activities of Bureau of Entomology, issued December, 1926. 5¢.
- *87 MC. Workers in subjects pertaining to agriculture in State agricultural colleges and experiment stations, 1923-1927. 20¢.

Miscellaneous Publications:

- *1 MP. Directory of field activities of Bureau of Plant Industry. 10¢.
- *12 MP. Workers in subjects pertaining to agriculture in State agricultural colleges and experiment stations. 20¢.
- 32 MP. List of technical workers in Department of Agriculture and outline of department functions, 1928. 20¢.
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- *48 MP. The Food, Drug, and Insecticide Administration of the Department of Agriculture. 10¢.
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 663 F. Drug plants under cultivation. 10¢.
 736 F. Ginseng diseases and their control. 5¢.
 1184 F. Ginseng culture. 5¢.
 1231 F. Drying crude drugs. 5¢.
 1555 F. Peppermint and spearmint as farm crops. 5¢.

Department Bulletins:

- *26 D. American medicinal flowers, fruits, and seeds. 5¢.
 282 D. Study of soft resins in sulphured and unsulphured hops in cold and in open storage. 5¢.
 *372 D. Commercial production of thymol from horsemint. 5¢.
 *568 D. Presence of arsenic in hops. 5¢.
 867 D. Castor-oil industry. 10¢.
 *1057 D. Chaulmoogra tree and some related species; survey conducted in Siam, Burma, Assam, and Bengal. 15¢.

Circulars:

- 46 C. Methods of collecting and preserving pollen for use in treatment of hay fever. 5¢.

Miscellaneous Publications:

- 77 MP. American medicinal plants of commercial importance. 30¢.

PLANTS, POISONOUS**Farmers' Bulletins:**

- 988 F. Larkspur or "poison weed." 5¢.
 1166 F. Poison ivy and poison sumac, and their eradication. 5¢.
 1273 F. Stock-poisoning death camas. 5¢.

Department Bulletins:

- *405 D. Lupines as poisonous plants. 10¢.
 710 D. Stagger grass as poisonous plant. 5¢.
 800 D. Whorled milkweed as poisonous plant. 15¢.
 942 D. Poisonous properties of the whorled milkweeds, *Asclepias pumila* and *A. verticillata* var. *geyeri*. 10¢.
 *947 D. Western sneezeweed as a poisonous plant. 10¢.
 969 D. The Mexican whorled milkweed as a poisonous plant. 5¢.
 *1012 D. Death camas species, *Zygadenus paniculatus* and *Z. elegans*, as poisonous plants. 10¢.
 *1212 D. Woolly-pod milkweed (*Asclepias eriocarpa*) as poisonous plant. 5¢.

Department Bulletins—Continued.

- *1240 D. Meadow death camas (*Zygadenus venenosus*) as a poisonous plant. 5¢.
- *1245 D. Stock-poisoning plants of range. 35¢.
- *1274 D. Cocklebur (species of *Xanthium*) as poisonous plants. 10¢.
- *1376 D. Nuttall's death camas (*Zygadenus nuttallii*) as poisonous plant. 5¢.
- *1391 D. Rayless goldenrod (*Aplopappus heterophyllus*) as a poisonous plant. 5¢.

Technical Bulletins:

- 22 T. Wild tobacco (*Nicotiana trigonophylla* dunal and *Nicotiana attenuata* torrey) as stock-poisoning plants. 10¢.
- 29 T. Coyotillo (*Karwinska humboldtiana*) as poisonous plant. 10¢.
- 202 T. Toxic effects of St. Johnswort (*Hypericum perforatum*) on cattle and sheep. 5¢.

Department Circulars:

- *81 DC. Astragalus tetrapetereus, new poisonous plant of Utah and Nevada. 5¢.
- 101 DC. The whorled milkweed, plant poisonous to livestock. 5¢.
- *272 DC. Woolly-pod milkweed, a dangerous stock-poisoning plant. 5¢.
- *279 DC. Greasewood as a poisonous plant. 5¢.
- 283 DC. Livestock poisoning by cocklebur. 5¢.

POTATOES, IRISH**Farmers' Bulletins:**

- 847 F. Potato-storage houses. 5¢.
- 1050 F. Handling and loading southern new potatoes. 5¢.
- 1064 F. Production of main-crop potatoes. 5¢.
- 1091 F. Protection of potatoes from cold in transit, lining and loading cars. 5¢.
- 1190 F. How to grow an acre of potatoes. 5¢.
- 1205 F. Potato production in the South. 5¢.
- 1316 F. Marketing the early potato crop. 5¢.
- 1332 F. Seed potatoes and how to produce them. 5¢.
- 1367 F. Control of potato-tuber diseases. 10¢.
- 1436 F. Why potatoes run out. 5¢.
- 1462 F. The potato leafhopper and how to control it. 5¢.
- 1578 F. Marketing late-crop potatoes. 10¢.
- 1639 F. Potato production in the far Western States. 5¢.

Department Bulletins:

- *176 D. Group classification of varietal descriptions of some American potatoes. 20¢.
- *577 D. Experiments in the control of potato leak. 5¢.
- *895 D. Freezing point of potatoes as determined by the thermoelectric method. 5¢.
- *916 D. Freezing injury to potatoes when undercooled. 5¢.
- *998 D. Effect of borax in fertilizer on the growth and yield of potatoes. 5¢.
- *1146 D. Influence of copper sprays on yield and composition of Irish potato tubers. 5¢.
- *1156 D. Investigation of potato wart. 10¢.
- *1188 D. Costs and farm practices in producing potatoes on 461 farms in Minnesota, Wisconsin, Michigan, New York, and Maine for the crop year 1919. 10¢.
- 1195 D. Sterilities of wild and cultivated potatoes with reference to breeding from seed. 10¢.
- *1248 D. Size of potato sets, comparisons of whole and cut seed. 10¢.
- *1465 D. Method of growing bacteriologically sterile potato plants. 15¢.

Technical Bulletins:

- 5 T. Source, character, and treatment of potato sets. 10¢.
- 7 T. Origin and distribution of the commercial potato crop. 15¢.
- 27 T. Freezing injury to potatoes. 10¢.
- 56 T. Factors of spread and repression in potato wart. 5¢.
- 62 T. Factors in inception and development of Fusarium rot in stored potatoes. 15¢.
- 117 T. Comparative influence of different storage temperatures on weight losses and vitality of seed potatoes. 5¢.
- 118 T. Studies in time and rate of irrigating potatoes in Colorado. 5¢.
- 119 T. Influence of freezing of seed potatoes on viability and yield. 5¢.

Department Circulars:

- *32 DC. Potato wart, a dangerous new disease. 5¢.
- 214 DC. Fusarium tuber rot of potatoes. 5¢.
- 220 DC. Late-blight tuber rot of potato. 5¢.
- *233 DC. United States grades for potatoes. 5¢.
- 231 DC. Potato brown rot. 5¢.

Circulars:

- 87 C. Problems in cooperation and experiences of farmers in marketing potatoes. 5¢.

Miscellaneous Publications:

- 53 MP. Disinfecting seed potatoes. 5¢.

Secretary's Office Circulars:

- 48 SC. Marketing Maine potatoes. 5¢.

POTATOES, SWEET**Farmers' Bulletins:**

- 999 F. Sweetpotato growing. 5¢.
- 1059 F. Sweetpotato diseases. 5¢.
- 1267 F. Sweetpotato storage in flue-heated tobacco barns. 5¢.
- 1442 F. Storage of sweetpotatoes. 5¢.

Department Bulletin:

- *1021 D. Group classification and varietal description of American varieties of sweetpotatoes. 30¢.
- 1158 D. Production of sirup from sweetpotatoes. 10¢.
- 1206 D. Marketing southern-grown sweetpotatoes. 10¢.

POULTRY AND EGGS**Farmers' Bulletins:**

- 684 F. Squab raising. 5¢.
- 697 F. Duck raising. 5¢.
- 767 F. Goose raising. 5¢.
- 801 F. Mites and lice on poultry. 5¢.
- 849 F. Capons and caponizing. 5¢.
- 1070 F. Fowl tick, and how premises may be freed from it. 5¢.
- 1200 F. Tuberculosis of fowls. 5¢.
- 1337 F. Diseases of poultry. 5¢.
- 1377 F. Marketing poultry. 5¢.
- 1378 F. Marketing eggs. 5¢.
- 1391 F. The guinea fowl. 5¢.
- 1409 F. Turkey raising. 5¢.
- 1506 F. Breeds of chickens: I. American, Asiatic, English, and Mediterranean classes. 10¢.
- 1507 F. Standard breeds and varieties of chickens: II. Continental European, Oriental, and miscellaneous classes. 10¢.
- 1508 F. Poultry keeping in back yards. 10¢.
- 1524 F. Farm poultry raising. 5¢.
- 1538 F. Incubation and brooding of chickens. 5¢.
- 1541 F. Feeding chickens. 5¢.
- 1554 F. Poultry houses and fixtures. 10¢.
- 1614 F. Business records for poultry keepers. 5¢.

Department Bulletins:

- 17 D. Refrigeration of dressed poultry in transit. 10¢.
- *391 D. Accuracy in commercial grading of opened eggs. 15¢.
- *657 D. Wheatless ration for the rapid increase of flesh on young chickens. 5¢.
- *775 D. Commercial preservation of eggs by cold storage. 10¢.
- 846 D. Examination of frozen-egg products and interpretation of results. 10¢.
- *939 D. Turkey an important factor in spread of gapeworms. 5¢.
- 1385 D. Poultry and egg industry in Europe. 15¢.

Technical Bulletins:

- 60 T. Ineffectiveness of internal medication of poultry for control of external parasites. 5¢.

Department Circulars:

- 55 DC. How to load cars of eggs. 5¢.
- 74 DC. Points for egg breakers: How to break eggs for freezing. 5¢.
- 391 DC. Method of packing and of buffing and bracing cases of eggs in carload shipments. 5¢.

Circulars:

- 73 C. Cold storage of eggs and poultry. 15¢.
- 111 C. An analysis of the business of the poultry producers of central California. 10¢.

Miscellaneous Circulars:

- *42 MC. How to pick chickens. 5¢.

Leaflets:

- 64 L. Construction and packing of an egg case. 5¢.

Yearbook Separates:

- *552 Y. Effect of present method of handling eggs on industry and product. 5¢.
- *647 Y. Egg and poultry demonstration car work in reducing our \$50,000,000 waste in eggs. 5¢.
- 917 Y. Poultry industry. 20¢.
- 980 Y. Poultry roundworms vary much in size and mode of living. 5¢.
- *986 Y. Poultry disease toll indicates necessity of control measures. 5¢.

Miscellaneous:

- Candling and preserving eggs. (G-25.)

RATS, RODENTS, AND OTHER MAMMALS**Farmers Bulletins:**

- 525 F. Raising guinea pigs. 5¢.
- 702 F. Cottontail rabbits in relation to trees and crops. 5¢.
- 1247 F. American moles as agricultural pests and as fur producers. 5¢.

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Farmers Bulletins—Continued.

- 1397 F. Mouse control in field and orchard. 5¢.
1533 F. Rat control. 5¢.

Department Bulletins:

- *915 D. The toxicity of barium carbonate to rats. 5¢.
*1023 D. Relative toxicity of strychnine to the rat. 5¢.
1091 D. Life history of kangaroo rat. 15¢.
*1227 D. Damage to range grasses by Zuni prairie dog. 10¢.
*1395 D. Bats in relation to production of guano and destruction of insects. 5¢.

Technical Bulletins:

- 134 T. Red-squill powders as raticides. 10¢.
145 T. Life history and habits of grasshopper mice, Genus *Onychomys*. 10¢.

Miscellaneous Publications:

- 86 MP. Outlines for studies of mammalian life histories. 5¢.

Leaflets:

- 21 L. Woodchuck control in the Eastern States. 5¢.
59 L. Hints on coyote and wolf trapping. 5¢.
60 L. Porcupine control in the Western States. 5¢.

Yearbook Separates:

- *708 Y. Destroying rodent pests on the farm. 5¢.
725 Y. House rat, most destructive animal in the world. 5¢.
823 Y. Trapping on the farm. 5¢.
855 Y. Death to the rodents. 5¢.

RECLAMATION PROJECTS AND EXPERIMENTS

Department Bulletins:

- *33 D. Cereal experiments in Dickinson, N. Dak. 10¢.
*133 D. Experiments with crops under fall irrigation at Scottsbluff Reclamation Project Experimental Farm. 5¢.
*135 D. Experiments in production of crops on alkali land in Huntley reclamation project, Montana. 5¢.
*162 D. Horticultural experiments in San Antonio Field Station, Texas. 5¢.
*270 D. Cereal experiments at Williston station. 10¢.
*297 D. Cereal investigations on Belle Fourche Experiment Farm. 10¢.
*398 D. Cereal experiments at Judith Basin substation, Moccasin, Mont. 10¢.
*402 D. Cereal experiments at Akron Field Station, Colo. 10¢.
*430 D. Cereal experiments on Cheyenne Experiment Farm, Archer, Wyo. 10¢.
*546 D. Effect of fall irrigation on crop yields at Belle Fourche, S. Dak. 5¢.
*1039 D. Experiments with cereals on the Belle Fourche Experiment Farm, Newell, S. Dak. 15¢.
*1172 D. Cereal experiments at Chico, Calif. 10¢.
1257 D. Land reclamation policies in United States. 5¢.
*1257 D. Experiments with cereals at Akron (Colo.) Field Station in 15-year period 1908 to 1922, inclusive. 15¢.
*1301 D. Report of Northern Great Plains Field Station for 10-year period 1913-1922, inclusive. 15¢.
*1304 D. Crop rotation and cultural methods at Akron (Colo.) Field Station. 5¢.
1306 D. Work of Sheridan Field Station for 7 years from 1917 to 1923, inclusive. 5¢.
*1309 D. Experiments with small grains on Arlington Experiment Farm. 10¢.
1310 D. Experiments with fallow in north-central Montana. 5¢.
1337 D. Work on Northern Great Plains Field Station in 1923. 5¢.

Technical Bulletins:

- *14 T. Cereal experiments at Fort Hays Branch Station, Hays, Kans., 1912 to 1923. 15¢.
17 T. Work of United States Dry-Land Field Station, Ardmore, S. Dak., 1912-1925. 15¢.
116 T. Dairy work at the Huntley Field Station, Huntley, Mont., 1918-1927. 15¢.

Department Circulars:

- *60 DC. Work on the Belle Fourche Reclamation Project Experiment Farm in 1918. 5¢.
*73 DC. Work of the San Antonio experiment farm in 1918. 5¢.
*75 DC. Work of the Yuma Reclamation Project Experiment Farm in 1918. 10¢.

Circulars:

- 5 C. Work of Scottsbluff Field Station, 1922 to 1925. 10¢.
69 C. Work of the Newlands Field Station, Nevada, 1924-1927. 10¢.
70 C. Work of the Huntley Field Station, Huntley, Mont., 1925-26. 10¢.

Yearbook Separates:

- 690 Y. Agriculture on Government reclamation projects. 5¢.

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REPORTS AND SURVEYS

Department Bulletins:

- 1234 D. Agricultural survey of Europe: Danube Basin, pt. 1. 15¢.
 1399 D. Agricultural survey of Europe: Germany. 20¢.
 1409 D. Agricultural survey of South America: Argentina and Paraguay. 20¢.

Technical Bulletins:

- 37 T. Agricultural survey of Europe: France. 25¢.
 101 T. Agricultural survey of Europe: Switzerland. 15¢.
 126 T. Agricultural survey of Europe: The Danube Basin—Part 2, Rumania, Bulgaria, and Yugoslavia. 30¢.
 160 T. Agricultural survey of Europe: Hungary. 20¢.

Yearbook Separates:

- *875 Y. The year in agriculture. Report of the Secretary, 1921. 10¢.
 883 Y. The year in agriculture. Report of the Secretary, 1922. 10¢.
 *892 Y. The year in agriculture. Report of the Secretary, 1923. 15¢.
 913 Y. The year in agriculture. Report of the Secretary, 1924. 20¢.
 919 Y. The year in agriculture. Report of the Secretary, 1925. 15¢.
 928 Y. The year in agriculture. Report of the Secretary, 1926. 20¢.
 1023 Y. The year in agriculture. Report of the Secretary, 1927. 10¢.

Miscellaneous:

- *70 R. Exhaustion and abandonment of soils, testimony of Milton Waitney before Industrial Commission, 1901. 5¢.
 *89 R. Durability and economy in papers for permanent records, including specifications. 15¢.
 *95 R. Agricultural possibilities of Canal Zone. 30¢.
 *97 R. Influence of vegetables greened with copper salts on nutrition and health of man. 50¢.
 *99 R. Classification of Cryphalinae, with description of new genera and species. 15¢.
 *108 R. Acarina or mites. 30¢.
 *114 R. Some public and economic aspects of the lumber industry; Studies of lumber industry, pt. 1. 25¢.
 *115 R. Distribution of softwood lumber in the Middle West, wholesale distribution: Studies of the lumber industry, pt. 8. 20¢.
 *116 R. Distribution of softwood lumber in the Middle West, retail distribution: Studies of the lumber industry, pt. 9. 15¢.
 *117 R. The substitution of other materials for wood: Studies of the lumber industry, pt. 11. 15¢.

RICE

Farmers' Bulletins:

- 1092 F. Prairie rice culture. 5¢.
 1195 F. Rice as food [with recipes]. 5¢.
 1212 F. Straight head of rice and its control. 5¢.
 1240 F. How to grow rice in Sacramento Valley. 5¢.
 1420 F. Handling rough rice to produce high grades. 5¢.
 1543 F. Insects injurious to the rice crop. 5¢.

Department Bulletins:

- 570 D. By-products of rice milling. 5¢.
 *1116 D. Seedling blight and stack burn of rice and hotwater seed treatment. 10¢.
 *1127 D. Some new varieties of rice. 10¢.
 *1155 D. Rice experiments at the Biggs Rice Field Station in California. 10¢.
 *1356 D. Experiments in rice production in southwestern Louisiana. 10¢.
 *1387 D. Experiments in rice culture at Biggs Rice Field Station in California. 10¢.

Department Circulars:

- *133 DC. United States grades for milled rice. 5¢.

Circulars:

- 48 C. Improved apparatus and method for making shellings of rough rice. 10¢.
 136 C. The Gehl laboratory rice-scouring device. 5¢.

ROADS AND BRIDGES

Department Bulletins:

- *105 D. Progress reports of experiments in dust prevention and road preservation, 1913. 5¢.
 *136 D. Highway bonds, compilation of data, and analysis of economic features affecting construction and maintenance of highways financed by bond issues and theory of highway bond calculations. 20¢.
 *246 D. Vitrified brick pavements for country roads. 10¢.
 *249 D. Portland cement concrete pavements for country roads. 15¢.
 *257 D. Progress reports of dust prevention and road preservation, 1914. 10¢.
 *314 D. Methods for examination of bituminous road materials. 10¢.
 *347 D. Methods for determination of properties of road-building rock. 10¢.

Department Bulletins—Continued.

- *370 D. Results of physical tests of road-building rock. 15¢.
- *388 D. Public road mileage and revenues, New England States, 1914. 10¢.
- *407 D. Progress reports of experiments in dust prevention and road preservation, 1915. 10¢.
- 463 D. Earth, sand-clay, and gravel roads. 15¢.
- *532 D. Expansion and contraction of concrete and concrete roads, 10¢.
- *583 D. Report on experimental convict road camp, Fulton County, Ga. 25¢.
- *660 D. Highway cost keeping. 10¢.
- *670 D. Results of physical tests of road building rocks in 1916 and 1917. 5¢.
- *691 D. Typical specifications for bituminous road materials. 10¢.
- *1077 D. Portland cement concrete roads. 15¢.
- 1216 D. Tentative standard methods of sampling and testing highway materials, adopted by American Association of State Highway Officials, and approved by Secretary of Agriculture for use in connection with Federal-aid road construction. Revised 1928. 30¢.
- 1259 D. Standard specifications for steel highway bridges, adopted by American Association of State Highway Officials and approved by Secretary of Agriculture for use in Federal-aid road work. 10¢.
- 1279 D. Rural highway mileage, income and expenditures, 1921 and 1922. 15¢.
- 1486 D. Highway bridge location. 15¢.

Technical Bulletins:

- 55 T. Highway bridge surveys. 20¢.

Department Circular:

- 331 DC. Standard specifications for corrugated metal pipe culverts, adopted by American Association of State Highway Officials and approved by Secretary of Agriculture for use in connection with Federal-aid road work. 5¢.

Miscellaneous Publications:

- 76 MP. The result of physical tests of road-building rock. 25¢.

Secretary's Office Circulars:

- *59 SC. Automobile regulations, licenses, and revenues in United States, 1915. 5¢.
- *63 SC. State highway mileage and expenditures, 1915. 5¢.
- *65 SC. Rules and regulations of Secretary of Agriculture for carrying out Federal-aid road act. Revised March, 1919. 5¢.
- *72 SC. Width of wagon tires for loads on earth and gravel roads. 5¢.
- *74 SC. State highway mileage and expenditures, 1916. 5¢.
- 161 SC. Rules and regulations of Secretary of Agriculture for carrying out the Federal highway act and amendments thereto, except the provisions relative to forest roads. 5¢.

Miscellaneous Circulars:

- 62 MC. Standards governing plans, specifications, contract forms, and estimates for Federal-aid highway projects, as provided in rules and regulations for carrying out Federal highway act and amendments thereto (except its provisions relative to forest roads), approved by Secretary of Agriculture and containing standards of practice for plans and specifications adopted by American Association of State Highway Officials. 5¢.

Yearbook Separates:

- *849 Y. Roads. 5¢
- 914 Y. Highways and highway transportation. 25¢.

RUBBER**Department Bulletins:**

- *1286 D. South American leaf disease of Para rubber. 10¢.
- 1380 D. Pathological survey of the Para rubber tree (*Hevea brasiliensis*) in Amazon Valley. 50¢.
- 1422 D. Hevea rubber tree in Amazon Valley. 15¢.

Technical Bulletins:

- 65 T. Experimental tapping of Hevea rubber trees at Bayeux, Haiti, 1924-25. 5¢.

Yearbook Separates:

- 993 Y. Rubber possibilities of many kinds exist in the United States. 5¢.

RURAL AND COMMUNITY BUILDINGS AND CONVENIENCES**Farmers' Bulletins:**

- 927 F. Farm home conveniences. 5¢.
- 1132 F. Planning the farmstead. 5¢.
- 1173 F. Plans of rural community buildings. 5¢.
- 1194 F. Operating home heating plant. 5¢.
- 1227 F. Sewage and sewerage of farm homes. 10¢.
- 1230 F. Chimneys and fireplaces, how to build them. 5¢.

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Farmers' Bulletins—Continued.

- 1245 F. Farmers telephone companies, organizing, financing, and management. 5¢.
- 1274 F. Uses of community buildings. 5¢.
- 1318 F. Greenhouse construction and heating. 5¢.
- 1325 F. Social aspects of rural planning. 5¢.
- 1342 F. Dairy-barn construction. 5¢.
- 1350 F. Beef-cattle barns. 5¢.
- 1388 F. Rural planning—social aspects of recreation places. 5¢.
- 1393 F. Principles of dairy-barn ventilation. 5¢.
- 1441 F. Rural planning—the village. 10¢.
- 1448 F. Farmstead water supply. 10¢.
- 1485 F. Rural hospitals. 10¢.
- 1500 F. Rammed earth walls for buildings. 5¢.
- 1559 F. Rural libraries. 10¢.
- 1590 F. Fire-protective construction on the farm. 5¢.

Department Bulletins:

- *825 D. Rural community buildings in United States. 10¢.

Technical Bulletins:

- *109 T. A study of the oil burner as applied to domestic heating. 20¢

Department Circulars:

- *189 DC. The well-planned kitchen. 5¢.
- 405 DC. The domestic oil burner. 10¢.

Yearbook Separates:

- 626 Y. Organization of rural interests. 5¢.
- *644 Y. American farm woman as she sees herself. 5¢.
- *675 Y. How Department of Agriculture promotes organization in rural life. 5¢.
- *789 Y. Housing the worker on the farm. 5¢.
- *812 Y. Reorganization of the country school. 5¢.

RURAL ENGINEERING, MECHANICS, AND MACHINERY
Farmers' Bulletins:

- 744 F. Preservative treatment of farm timbers. 5¢.
- 828 F. Farm reservoirs. 5¢.
- 1045 F. Laying out fields for tractor plowing. 5¢.
- 1078 F. Harvesting and storing ice on the farm. 5¢.
- 1131 F. Tile-trenching machinery. 5¢.
- 1214 F. Farm dairy houses. 5¢.
- 1234 F. Gullies, how to control and reclaim them. 5¢.
- 1279 F. Plain concrete for farm use. 5¢.
- *1296 F. Changes effected by tractors on Corn-Belt farms. 5¢.
- 1342 F. Dairy-barn construction. 5¢.
- 1386 F. Terracing farm lands. 5¢.
- 1393 F. Principles of dairy-barn ventilation. 5¢.
- 1426 F. Farm plumbing. 5¢.
- 1448 F. Farmstead water supply. 10¢.
- 1452 F. Painting on the farm. 5¢.
- 1460 F. Simple plumbing repairs in the home. 5¢.
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- 1487 F. Practical hog houses. 5¢.
- 1526 F. Clearing land of brush and stumps. 10¢.
- 1565 F. Shall I buy a combine? 5¢.
- 1572 F. Making cellars dry. 5¢.
- 1589 F. Husker-shredder on eastern Corn-Belt farms. 5¢.
- 1608 F. Operation and care of the combined harvester-thresher. 5¢.

Department Bulletins:

- *230 D. Oil-mixed Portland cement concrete. 10¢.
- 512 D. Prevention of erosion of farm lands by terracing. 15¢.
- *718 D. Small sawmills, their equipment, construction, and operation 10¢.
- *910 D. Experience of eastern farmers with motor trucks. 10¢.
- *931 D. Corn-Belt farmers' experience with motor trucks. 10¢.
- *1136 D. Kiln drying handbook. 30¢.
- 1202 D. Tractors and horses in winter wheat belt, Oklahoma, Kansas, Nebraska. 10¢.
- 1254 D. Farm motor-truck operations in New England and Central Atlantic States. 5¢.
- 1348 D. Appraisal of power used on farms in United States. 15¢.

Technical Bulletins:

- 70 T. Combined harvester-thresher in the Great Plains. 15¢.
- 187 T. Ventilation of farm barns. 25¢.
- 205 T. Gluing wood in aircraft manufacture. 25¢.

Department Circulars:

- *94 DC. TNT as a blasting explosive. 10¢.
- 191 DC. Use of explosives in blasting stumps. 5¢.
- 212 DC. Manufacture and sale of farm equipment in 1920. 5¢.

Circulars:

- *61 C. High-pressure gas-compression system. 10¢.

Miscellaneous Publications:

- *38 MP. Research in mechanical farm equipment. 10¢.
- 56 MP. Low-cutting devices for harvesting corn. 15¢.

Leaflets:

- 56 L. Preventing cracks in new wood floors. 5¢.
62 L. Why some wood surfaces hold paint longer than others. 5¢.

Yearbook Separates:

- *799 Y. Electric light and power in farm home. 5¢.
*824 Y. Securing a dry cellar. 10¢.
*825 Y. The horsepower problem on the farm. 5¢.

RYE

Farmers' Bulletins:

- 756 F. Culture of rye in the eastern half of the United States. 5¢.
1358 F. Growing rye in western half of United States. 5¢.
1607 F. Nematode disease in wheat and rye. 5¢.

SANITATION AND HEALTH

Farmers' Bulletins:

- 450 F. Some facts about malaria. 5¢.
602 F. Production of clean milk. 5¢.
954 F. Disinfection of stables. 5¢.
1227 F. Sewage and sewerage of farm homes. 10¢.

Department Bulletins:

- 1098 D. Impounding water in a bayou to control breeding of malaria mosquitoes. 15¢.

Yearbook Separates:

- *619 Y. Health laws. 5¢.

SEED

Farmers' Bulletins:

- 428 F. Testing farm seeds in the home and in the rural school. 5¢.
948 F. Rag-doll seed tester: Its use in determining what ears of corn are fit for seed. 5¢.
1232 F. Seed-marketing hints for the farmer. 5¢.
1390 F. Vegetable seed for home and market garden. 5¢.
1496 F. Inoculation of legumes and nonlegumes with nitrogen-fixing and other bacteria. 10¢.

Department Circulars:

- 406 DC. Rules for seed testing. 5¢.

Circulars:

- 53 C. Seed counter. 5¢.
79 C. The application of statistical methods to seed testing. 5¢.

Secretary's Office Circulars:

- *42 SC. Seed importation act of Aug. 24, 1912. 5¢.

Yearbook Separates:

- *757 Y. Seed supply of the Nation. 5¢.
775 Y. Some effects of the war upon the seed industry of the United States. 5¢.

SHEEP AND GOATS

Farmers' Bulletins:

- 576 F. Breeds of sheep for the farm. 5¢.
713 F. Sheep scab. 5¢.
798 F. Sheep tick and its eradication by dipping. 5¢.
810 F. Equipment for farm sheep raising. 5¢.
840 F. Farm sheep raising for beginners. 5¢.
920 F. Milk goats. 5¢.
1134 F. Castrating and docking lambs. 5¢.
1155 F. Diseases of sheep, infectious and noninfectious. 5¢.
1172 F. Slaughtering and use of lamb and mutton. 5¢.
1181 F. Sheep on temporary pastures. 5¢.
1199 F. Judging sheep. 5¢.
1203 F. The angora goat. 5¢.
1268 F. Sheep-killing dogs. 5¢.
1330 F. Parasites and parasitic diseases of sheep. 5¢.
1632 F. Karakul sheep. 5¢.

Department Bulletins:

- *206 D. Woolgrower and the wool trade. 15¢.
996 D. Flushing and other means of increasing lamb yields. 5¢.
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Arranged alphabetically by States and Counties

(Where not specified the price is 15¢)

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Meigs Co.
Overton Co.
Pikeville area.
Putnam Co.
Robertson Co.
Shelby Co.
Sumner Co.

TEXAS

*Anderson Co.
Archer Co.
Bell Co. 25¢.
Bowie Co. 25¢.
Brazoria area.
Brazos Co.
*Cameron Co. 30¢.
*Camp Co.
Coleman Co. 25¢.
*Cooper area.
Dallas Co.
Denton Co.
Dickens Co. 20¢.
Eastland Co.
*Ellis Co.
Erath Co. 25¢.
Franklin Co. 25¢.
Freestone Co. 25¢.
*Grayson Co.
*Harris Co. 35¢.
Harrison Co.
*Henderson area.
Henderson Co. 20¢.
Hidalgo Co. 25¢.
Jefferson Co.
Lubbock Co.
*Lufkin area.
Milam Co. 30¢.
Morris Co.
Nacogdoches area.
Nacogdoches Co. 25¢.
Northwest Texas. 25¢.
Paris area.
Red River Co.
Reeves Co. 20¢.
*Robertson Co.
Rockwall Co. 25¢.
San Saba Co.
Smith Co.
South Central Texas.
Tarrant Co. 25¢.
Taylor Co.
Titus Co.
Vernon area.
*Waco area.
Washington Co.
West Central Texas.
30¢.

TEXAS—continued

Wichita Co. 20¢.
*Wilson Co.
Willacy Co. 20¢.
Woodville area.

UTAH

Ashley Valley area.
Bear River area. 25¢.
Cache Valley area.
Delta area.
Provo area. 25¢.
Savner Valley area.
Uinta River Valley
area. 20¢.
Weber area.

VERMONT

Vergennes area.
Windsor Co.

VIRGINIA

Accomac and North-
ampton Cos. 30¢.
Appomattox Co.
Bedford area.
Campbell Co.
*Chesterfield Co.
Frederick Co.
*Hanover Co.
Henrico Co.
Leesburg area.
Pittsylvania Co.

WASHINGTON

Benton Co.
Franklin Co. 35¢.
*Hood River—White
Salmon River area.
*Island Co.
Quincy area.
Spokane Co.
Stevens Co.
Walla Walla area.
Wenatchee area. 25¢.
Yakima area.

WEST VIRGINIA

Barbour and Upshur
Cos.
Boone Co.
Braxton and Clay
Cos. 25¢.
Clarksburg area.
Fayette Co. 20¢.
Grant and Mineral
Cos. 25¢.
Huntington area. 25¢.
Jefferson, Berkeley,
and Morgan Cos.
25¢.
*Kanawha Co.
Lewis and Gilmer Cos.
Logan and Mingo Cos.
McDowell and Wyo-
ming Cos.
Mercer Co. 20¢.
Middlebourne area.
Monroe Co. 20¢.
Morgantown area.
Nicholas Co.
*Parkersburg area.
Point Pleasant area.
25¢.
Preston Co.
Raleigh Co.
Spencer area.
Summers Co.

WEST VIRGINIA—contd. WISCONSIN—continued WISCONSIN—continued

Tucker Co.
Upshur Co.
Webster Co.
Wheeling area.

WISCONSIN

Adams Co.
Bayfield area.
Buffalo Co.
Calumet Co. 25¢.
Columbia Co.
Dane Co.
Door Co.
Fond du Lac Co.
Green Co. 20¢.
Green Lake Co. 20¢.
Iowa Co.
Jackson Co.Janesville area.
Jefferson Co.
Juneau Co.
Kenosha and Racine
Cos. 25¢.
Kewaunee Co.
LaCrosse Co.
Marinette Co.
Milwaukee Co.
Monroe Co. 25¢.
North-central Wiscon-
sin (north part).
North-central Wiscon-
sin (south part).
*Northeastern Wiscon-
sin. 25¢.
Outagamie Co.
Pierce Co. 20¢.
Portage Co.*Racine Co.
Rock Co. 25¢.
Sauk Co. 25¢.
Sheboygan Co. 20¢.
*Superior area.
Viroqua area.
Walworth Co.
Washington and Ozau-
kee Cos. 25¢.
Waukesha Co.
*Waushara Co.
Waupaca Co.
Wood Co.

WYOMING

Fort Laramie area.
25¢.
Laramie area. 25¢.
Wheatland area. 20¢

STANDARDS—GRADES—ANALYSES—TESTS

Department Bulletins:

- *56 D. Special flask for rapid determination of water in flour and meal. 5¢.
- *103 D. Alum in foods. 5¢.
- 215 D. Composition of corn (maize) meal manufactured by different processes, and influence of composition on keeping qualities. 5¢.
- 374 D. Intrinsic values of grain, cottonseed, flour, and similar products, based on dry-matter content. 5¢.
- *418 D. Separation and identification of food-coloring substances. 10¢.
- *516 D. Table for converting weights of mechanical separations into percentages of sample analyzed. 5¢.
- *574 D. Conversion of weights and mechanical separations of corn, wheat, and other grains into percentages. 5¢.
- *634 D. Physical and chemical study of the kafir kernel. 5¢.
- 666 D. Effect of alkali treatment on cocoas. 5¢.
- 740 D. Study of some of the chemical changes which occur in oysters during their preparation for market. 5¢.
- 788 D. Moisture in wheat and mill products. 5¢.
- 839 D. Microscopical examination of flour. 5¢.
- 857 D. Modified Boerner sampler. 5¢.
- 882 D. Manufacturing and laboratory tests to produce an improved cotton airplane fabric. 10¢.
- 897 D. Weight variations of package foods. 5¢.
- 1009 D. Volume variation of bottled foods. 5¢.
- 1013 D. Influence of relative humidity and moisture content of wheat on milling yields and moisture content of flour. 5¢.
- *1114 D. Detection of hypochlorites and chloramines in milk and cream. 5¢.
- 1130 D. Significance of wheat hairs in microscopical examination of flour. 5¢.
- *1152 D. Soy and related fermentations. 15¢.
- 1153 D. Milling and baking experiments with American wheat varieties. 15¢.
- 1187 D. Experimental milling and baking, including chemical determinations. 15¢.
- 1203 D. Experimental production of straw gas. 5¢.
- 1307 D. Absorption and retention of hydrocyanic acid by fumigated food products, pt. 2. 5¢.
- 1375 D. Brown-Duvel moisture tester and how to operate it. 15¢.
- 1390 D. Chemistry and analysis of permitted coal-tar food dyes. 10¢.
- *1463 D. Influence of granulation on chemical composition and baking quality of flour. 10¢.

Technical Bulletins:

- *1 T. Tests of methods for commercial standardization of raisins. 5¢.
- 8 T. Dietary scales and standards for measuring a family's nutritive needs. 5¢.
- 105 T. Short method of calculating energy, protein, calcium, phosphorus, and iron in the diet. 5¢.
- 108 T. Stiffness in fabrics produced by different starches and starch mixtures, and a quantitative method for evaluating stiffness. 10¢.
- 154 T. A method for determining the color of agricultural products. 10¢.
- 212 T. Mechanical analysis of finely divided natural phosphates. 5¢.

Department Circulars:

- *137 DC. Bureau of Chemistry, organization; enforcement of food and drugs act, enforcement of tea act, research work. 5¢.
- *246 DC. United States grades for rye. 5¢.

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Circulars:

- 8 C. National standards for farm products. 15¢.
- 9 C. Bates laboratory aspirator. 5¢.
- 110 C. Specific gravity and Baumé gravity tables for turpentine. 5¢.
- 138 C. Development and use of baking powder and baking chemicals. 5¢.

Miscellaneous Circulars:

- 28 MC. Tables for converting crude protein and ash content to uniform moisture base. 5¢.

Miscellaneous Publications:

- 33 MP. Advantages of standards for livestock and meats. 5¢.

Leaflets:

- 67 L. Beef grading and stamping service. 5¢.

Yearbook Separates:

- *539 Y. Respiration calorimeter and results of experiments with it. 5¢.
- *569 Y. Decomposition and its microscopical detection in some food products. 5¢.
- 811 Y. Why produce inspection pays. 5¢.

STATISTICS AND ESTIMATES**Department Bulletins:**

- *296 D. Our foreign trade in farm and forest products. 10¢.
- *755 D. Geographical phases of farm prices; oats. 10¢.
- *769 D. Production and conservation of fats and oils in United States. 10¢. *Same*, supplement. 5¢.
- *792 D. Reports of storage holding of certain food products during 1918, frozen meats, cured meats and lard, frozen fish, cured herring, and mild-cured salmon. 10¢.
- 987 D. Handbook of foreign agricultural statistics. 10¢.
- *1083 D. Farm and terminal market prices: Wheat, corn, and oats. 10¢.
- 1480 D. Reliability and adequacy of farm-price data. 15¢.

Technical Bulletins:

- 96 T. Yields of barley in the United States and Canada, 1922-1926. 15¢.

Statistical Bulletins:

- 2 S. Seed statistics, year ending May 31, 1923, with comparable data for earlier years. 15¢.
- 3 S. Sheep, lamb, mutton, and wool statistics, year ended March 31, 1923, with comparable data for earlier years. 15¢.
- 4 S. Cold-storage holdings to October, 1924. 5¢. (This is a revision of Statistical Bulletin 1.)
- 5 S. Horses, mules, and motor vehicles, year ended March 31, 1924, with comparable data for earlier years. 15¢.
- 6 S. Grain futures, daily data, volume of trading on Chicago Board of Trade, January 1, 1921, to May 31, 1924. 5¢.
- 7 S. Shipments and unloads of certain fruits and vegetables, 1918-1923. 15¢.
- 8 S. Carload shipments of fruits and melons from stations in United States for 1920, 1921, 1922, and 1923. 10¢.
- 9 S. Carload shipments of vegetables from stations in United States for 1920, 1921, 1922, and 1923. 15¢.
- 10 S. Statistics of potatoes and sweetpotatoes, year ended July 31, 1924, with comparable data for earlier years. 10¢.
- 11 S. Hay and feed statistics, year ended December 31, 1924, with comparable data for earlier years. 15¢.
- 12 S. Wheat and rye statistics, year ended December 31, 1924, with comparable data for earlier years. 15¢.
- 13 S. Cold-storage holdings, year ended December, 1925, with comparable data for earlier years. 10¢.
- 14 S. Prices of farm products received by producers: 1, North Atlantic States. 20¢.
- 15 S. Prices of farm products received by producers: 2, North Central States. 30¢.
- 16 S. Prices of farm products received by producers: 3, South Atlantic and South Central States. 35¢.
- 17 S. Prices of farm products received by producers: 4, Mountain and Pacific States. 25¢.
- 18 S. Statistics of hogs, pork and pork products, year ended December 31, 1925, with comparable data for earlier years. 30¢.
- 19 S. Carload shipments of fruit and vegetables from stations in United States, calendar years 1924 and 1925. 15¢.
- 20 S. Statistics of cattle, calves, beef, veal, hides, and skins, year ended December 31, 1925, with comparable data for earlier years. 40¢.
- 21 S. American forests and forest products. 45¢.
- 22 S. Vegetable statistics, year ended December 31, 1926, with comparable data for earlier years. 35¢.
- 23 S. Car-load shipments and unloads of important fruit and vegetables. 1924-1926. 25¢.
- 24 S. Statistics of fats, oils, and oleaginous raw materials. 15¢.

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Statistical Bulletins—Continued.

- 25 S. Dairy statistics, year ended December 31, 1926, with comparable data for earlier years. 35¢.
- 26 S. Cold-storage holdings, year ended December 31, 1927, with comparable data for earlier years. 5¢.
- 27 S. Car-lot shipments of fruits and vegetables in the United States for the calendar years 1926-27. 25¢.
- 28 S. Corn statistics, year ended December 31, 1928, with comparable data for earlier years. 25¢.
- 29 S. Statistics of oats, barley, and grain sorghums, year ended December 31, 1928, with comparable data for earlier years. 25¢.
- 30 S. Car-lot shipments and unloads of certain fruits and vegetables, 1928-29. 25¢.
- 31 S. Wheat futures.

Department Circulars:

- 150 DC. Statistical data compiled and published by Bureau of Crop Estimates, 1863-1920; pt. 1, Publications of Bureau of Crop Estimates; pt. 2, Subjects included in reports and records of Bureau of Crop Estimates. 10¢.
- *241 DC. Food animals and meat consumption in United States. 5¢.
- 373 DC. Revised estimates of crop acreages, New York, 1862-1919; Study of methods used in revising crop and livestock estimates of Department of Agriculture. 5¢.

Secretary's Office Circulars:

- *73 SC. Automobile registration, licenses, and revenues. 1916. 5¢.
- *97 SC. Supply of lard in the United States, its extent and distribution on August 31, 1917. 5¢.
- *99 SC. Commercial stocks of miscellaneous cereal and vegetable foodstuffs in United States on August 31, 1917. 5¢.
- *108 SC. Food needs for 1919: Fall-sown wheat and rye. 5¢.
- *125 SC. Agricultural production for 1919, with special reference to crops and livestock. 5¢.
- *152 SC. Value of Government crop reports. 5¢.

Miscellaneous Circulars:

- *9 MC. Importation and exportation of tea. 5¢.
- *20 MC. Crop-report regulations, effective on and after January 1, 1924. 5¢.
- *23 MC. Agricultural outlook for 1924. 5¢.
- *37 MC. Crop-report regulations, effective January 1, 1925.
- 38 MC. Agricultural outlook for 1925. 5¢.
- 41 MC. Estimating the quantity of grain in bins, with chart reducing the necessary computations. 5¢.
- *64 MC. Crop report regulations, regulations governing publication of reports and information utilized in compilation of reports, prepared by Bureau of Agricultural economics concerning acreages, conditions, yields, farm reserves or quality of products of soil grown within United States 5¢.
- 65 MC. Agricultural outlook for 1926. 5¢.
- *96 MC. Crop report regulations. 5¢.
- *101 MC. Agricultural outlook for 1927. 10¢.

Miscellaneous Publications:

- 17 MP. Crop report regulations. 1928. 5¢.
- 19 MP. Agricultural outlook for 1928. 10¢.
- *44 MP. Agricultural outlook for 1929. 10¢.
- 73 MP. The Agricultural outlook for 1930. 10¢.
- 95 MP. World wheat outlook, 1930. 10¢.

Yearbook Separates:

- *631 Y. Livestock and miscellaneous agricultural statistics, 1913. 5¢.
- *656 Y. Livestock, 1914, and census data. 5¢.
- 682 Y. Statistics of grain crops, 1915. 5¢.
- *713 Y. Graphic summary of world agriculture. 15¢.
- 752 Y. World's supply of wheat. 5¢.
- 763 Y. Cotton warehousing, benefits of an adequate system. 5¢.
- 788 Y. Government market reports on livestock and meats. 5¢.
- 791 Y. Statistics of grain crops, 1918. 5¢.
- 792 Y. Statistics of crops other than grain crops, 1918. 5¢.
- 793 Y. Livestock, 1918 [statistics of farm animals and their products]. 5¢.
- *794 Y. Imports and exports of agricultural products. 5¢.
- *795 Y. Miscellaneous agricultural statistics, 1918. 5¢.
- 801 Y. Pre-war crop estimates in Germany. 5¢.
- 807 Y. Influence of depreciation of exchange on agricultural production. 5¢.
- *826 Y. Statistics of grain crops, 1919. 10¢.
- *827 Y. Statistics of crops, other than grain crops, 1919. 10¢.
- *828 Y. Livestock, 1919 [statistics of farm animals and their products]. 5¢.
- 829 Y. Imports and exports of agricultural products. 5¢.
- 830 Y. Miscellaneous agricultural statistics, 1919. 5¢.
- *861 Y. Statistics of grain crops, 1920. 10¢.
- 862 Y. Statistics of crops other than grain crops, 1920. 10¢.
- *863 Y. Livestock, 1920. 10¢.

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Yearbook Separates—Continued.

- *864 Y. Imports and exports of agricultural products [1920]. 10¢.
- *867 Y. Imports and exports of agricultural products [1921]. 5¢.
- *868 Y. Statistics of grain crops, 1921. 10¢.
- 869 Y. Statistics of crops other than grain crops, 1921. 15¢.
- *870 Y. Livestock, 1921. 10¢.
- *871 Y. Miscellaneous agricultural statistics, 1921. 5¢.
- *878 Y. Graphic summary of American agriculture, based largely on census of 1920. 20¢.
- 880 Y. Imports and exports of agricultural products [1922]. 5¢.
- 881 Y. Statistics of grain crops, 1922. 10¢.
- 884 Y. Statistics of crops other than grain crops, 1922. 15¢.
- *887 Y. Miscellaneous agricultural statistics, 1922. 10¢.
- 888 Y. Livestock, 1922. 15¢.
- 891 Y. Oats, barley, rye, rice, grain, sorghums, seed flax, and buck-wheat, [1922]. 15¢.
- 898 Y. Bread grains [statistics, 1923]. 10¢.
- *899 Y. Grains other than bread grains [statistics, 1923]. 10¢.
- *900 Y. Fruits and vegetables, 1923 [statistics]. 10¢.
- *901 Y. Crops other than grains, fruits, and vegetables [statistics], 1923. 10¢.
- 905 Y. Imports and exports of agricultural products [1923]. 5¢.
- *906 Y. Miscellaneous agricultural statistics [1923]. 10¢.
- *907 Y. Grains [1924]. 15¢.
- *908 Y. Crops other than grains [1924]. 20¢.
- *909 Y. Farm animals and their products [1924]. 20¢.
- *911 Y. Exports and imports of agricultural products [1924]. 10¢.
- *912 Y. Miscellaneous agricultural products [1924]. 15¢.
- *920 Y. Statistics of grain [1925]. 15¢.
- *921 Y. Statistics of fruit and vegetables [1925]. 15¢.
- *922 Y. Statistics of field crops other than grains [1925]. 15¢.
- *923 Y. Statistics of farm animals and their products [1925]. 20¢.
- 924 Y. Foreign trade of United States in agricultural products [1925]. 10¢.
- 926 Y. Miscellaneous agricultural statistics [1925]. 25¢.
- *931 Y. Fruit and vegetable production [1925]. 65¢.
- *932 Y. Statistics of grains [1926]. 15¢.
- *933 Y. Statistics of fruits and vegetables [1926]. 10¢.
- 934 Y. Statistics of field crops other than grains [1926]. 15¢.
- *935 Y. Statistics of farm animals and animal products [1926]. 20¢.
- *936 Y. Foreign trade of United States in agricultural products [1926]. 5¢.
- 937 Y. Miscellaneous agricultural statistics [1926]. 10¢.
- *973 Y. Statistics of grains [1927]. 10¢.
- *974 Y. Statistics of fruits and vegetables [1927]. 10¢.
- *975 Y. Statistics of field crops other than grains [1927]. 10¢.
- *976 Y. Statistics of farm animals and animal products [1927]. 10¢.
- *977 Y. Dairy and poultry statistics [1927]. 5¢.
- 978 Y. Foreign trade of United States in agricultural products [1927]. 5¢.
- 979 Y. Miscellaneous agricultural statistics [1927]. 10¢.
- 981 Y. Meat production and consumption in United States [1927]. 5¢.
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- 1027 Y. Statistics of fruits and vegetables. (1928.) 10¢.
- 1028 Y. Statistics of field crops other than grains. (1928.) 10¢.
- 1029 Y. Statistics of farm animals and animal products. (1928.) 10¢.
- 1030 Y. Dairy and poultry statistics. (1928.) 10¢.
- 1031 Y. Foreign trade of United States in agricultural products. (1928.) 10¢.
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- 1102 Y. Prices of farm products graphically presented. (1930.) 10¢.
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SUGAR BEETS**Farmers' Bulletins:**

- 567 F. Sugar beet growing under irrigation. 5¢.
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- 1514 F. Control of sugar-beet nematode by crop rotation. 5¢.
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Department Bulletins:

- *238 D. Sugar beets, preventable losses in culture. 10¢.
- *421 D. Sugar-beet thrips. 5¢.

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Department Bulletins—Continued.

- *693 D. Farm practice in growing sugar beets for three districts in Utah and Idaho, 1914-15. 10¢.
- *726 D. Farm practice in growing sugar beets for three districts in Colorado, 1914-15. 10¢.
- *735 D. Farm practice in growing sugar beets in Billings region of Montana. 10¢.
- *760 D. Farm practice in growing sugar beets in three California districts. 10¢.
- *963 D. Cost of producing sugar beets in Utah and Idaho, 1918-19. 10¢.
- *995 D. Beet-sugar industry in the United States in 1920. 20¢.

Department Circulars:

- 262 DC. Length of dormancy period of sugar-beet nematode in Utah. 5¢.
- *388 DC. Resistance in sugar beets to curly top. 5¢.

Circulars:

- 20 C. Seed production from sugar beets overwintered in field. 5¢.
- 115 C. The sugar-beet leaf spot disease and its control by direct measures. 5¢.

SUGARCANE AND SIRUP**Farmers' Bulletins:**

- 1034 F. Growing sugarcane for sirup. 5¢.
- 1366 F. Production of maple sirup and sugar. 5¢.
- 1389 F. Sorgo-sirup manufacture. 5¢.
- 1619 F. Sorgo for sirup production, harvesting, and handling. 10¢.

Department Bulletins:

- *466 D. Maple sugar, composition, methods of analysis, effect of environment. 5¢.
- 1158 D. Production of sirup from sweetpotatoes. 10¢.
- 1370 D. Sugarcane sirup manufacture. 10¢.

Technical Bulletins:

- 41 T. Sugarcane moth borer in United States. 25¢.

Department Circulars:

- *303 DC. Hot-water treatment of sugarcane for insect pests—a precaution. 5¢.
- 337 DC. Hot-water treatment of dormant and sprouted seed cane. 5¢.
- 366 DC. Root disease of sugarcane in Louisiana. 5¢.
- *392 DC. Rare cases of mosaic disease in highly resistant varieties of sugarcane. 5¢.
- 418 DC. Yield tests of disease-resistant sugarcanes in Louisiana. 5¢.

Circulars:

- *36 C. Sugarcane variety tests in Louisiana during crop year, 1926-27. 5¢.
- 45 C. Application of sodium fluosilicate by airplane in attempt to control sugarcane moth borer. 5¢.
- 88 C. Variety tests of sugarcanes in Louisiana during the crop year, 1927-28. 5¢.
- 97 C. Rate of deterioration of sugar content of some P. O. J. sugarcane varieties in Louisiana. 5¢.

Yearbook Separates:

- *893 Y. Sugar. 20¢.

TOBACCO**Farmers' Bulletins:**

- 523 F. Tobacco curing. 5¢.
- 571 F. Tobacco culture. 5¢.
- 846 F. Tobacco beetle and how to prevent damage by it. 5¢.
- 1425 F. The tobacco flea-beetle in dark fire-cured tobacco districts of Kentucky and Tennessee. 5¢.
- 1489 F. Green June beetle larva in tobacco beds. 5¢.
- 1494 F. Tobacco cutworms and their control. 5¢.
- 1531 F. Tobacco budworm and its control in Georgia and Florida tobacco-growing region. 5¢.
- 1580 F. Cigar-tobacco production in Pennsylvania. 5¢.
- 1629 F. Steam sterilization of soil for tobacco and other crops. 5¢.

Department Bulletins:

- *59 D. Tobacco splitworm. 5¢.
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- 1410 D. Brown rot of tobacco and other plants. 10¢.

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- 12 T. Fertilizer tests with flue-cured tobacco. 15¢.
- 88 T. Tobacco cutworms. 35¢.
- 175 T. Breeding tobacco for resistance to Thielavia root rot. 10¢.

Department Circulars:

- *174 DC. Dangerous tobacco disease appears in United States. 5¢.

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Circulars:

100 C. Business analysis of the Tobacco Growers' Cooperative Association. 25¢.

Miscellaneous Circulars:

*55 MC. Type classification of American-grown tobacco prepared under authority of United States warehouse act of August 11, 1916. 1926. 5¢.

*83 MC. United States standard tobacco sizes. 10¢.

Yearbook Separates:

972 Y. Tobacco markets show cigarettes in growing favor. 5¢.

TOMATOES

Farmers' Bulletin:

1233 F. Tomatoes for canning and manufacturing. 5¢.

1291 F. Preparation of fresh tomatoes for market. 5¢.

1338 F. Tomatoes as a truck crop. 5¢.

1431 F. Greenhouse tomatoes. 5¢.

Department Bulletins:

*569 D. Sanitary control of tomato-canning factories. 5¢.

581 D. Microscopical studies on tomato products. 5¢.

*632 D. Utilization of waste tomato seeds and skins. 5¢.

*1099 D. Frost injury to tomatoes. 5¢.

Technical Bulletins:

189 T. Experiments on the control of tomato yellows. 10¢.

Department Circulars:

219 DC. Phoma rot of tomatoes. 5¢.

*282 DC. Australian tomato weevil introduced in the South. 5¢.

*315 DC. Chilling of tomatoes. 5¢.

Circulars:

29 C. Bacteria canker of tomatoes. 5¢.

Miscellaneous Publications:

*13 MP. Yellows, serious disease of tomatoes. 5¢.

Yearbook Separates:

1003 Y. Tomatoes resistant to nailhead rust now widely planted. 5¢.

VEGETABLES

(See also under name of vegetable)

Farmers' Bulletins:

232 F. Okra, its culture and uses. 5¢.

879 F. Home storage of vegetables. 5¢.

1253 F. Seed peas for the canner. 5¢.

1255 F. Production of peas for canning. 5¢.

1269 F. Celery growing. 5¢.

1320 F. Production of cucumbers in greenhouses. 5¢.

1396 F. The dasheen, a southern root crop for home use and market. 5¢.

1418 F. Lettuce growing in greenhouses. 5¢.

1563 F. Cucumber growing for table use. 5¢.

1609 F. Lettuce growing. 5¢.

1620 F. Growing cucumbers for pickling. 5¢.

1646 F. Asparagus culture. 5¢.

Department Bulletins:

*1167 D. Cultivation of true yams in Gulf region. 10¢.

*1247 D. Taros and yautias; promising new food plants for the South. 15¢.

Technical Bulletins:

33 T. Jerusalem artichoke as crop plant. 5¢.

Department Circulars:

*125 DC. Forcing and blanching dasheen shoots. 5¢.

*286 DC. Chayote, its culture and uses. 5¢.

Yearbook Separates:

994 Y. Vegetable industry has big expansion in quarter century. 5¢.

1007 Y. Vegetable gardens of United States owe much to American Indians. 5¢.

VETCHES

Farmers' Bulletins:

515 F. Vetches, with chapter on vetch seed and its adulterants. 5¢.

1206 F. Corn ear worm in vetch. 5¢.

Department Bulletins:

*876 D. Hairy-vetch seed production in the United States. 10¢.

*1174 D. Hungarian vetch. 5¢.

*1289 D. Common vetch and its varieties. 5¢.

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VISUAL EDUCATIONAL MATERIAL

(Maps, Charts, Photographs, etc.)

FOR SALE ONLY

Bureau Agricultural Economics:

- *Geography of World's Agriculture. \$1.
- Atlas of American Agriculture:
 - *Natural Vegetation. 50¢.
 - *Precipitation and Humidity. \$1.50.
 - *Cotton. 50¢.
 - *Rural Population and Organization. 50¢.
 - *Temperature, Sunshine, and Wind. \$1.60.
- *Graphic Summary of American Agriculture. 878 Y. 20¢.
- *Graphic Summary of World Agriculture. 713 Y. 15¢.
- *Economic charts.—Photographic prints, 8 by 10 inches, are furnished on order of any maps and charts issued by the Bureau of Agricultural Economics in current publications. A list is available upon request. Enlargements 30 by 40 inches for use as wall charts are made to order at 75¢ each on paper and \$1.25 each mounted on cloth.
- *Four charts showing wholesale and retail cuts of beef, veal, lamb, and fresh pork. 50¢ a set.

Bureau of Biological Survey:

- *Colored poster, "Vandals of the Night, While America Sleeps, Rats Destroy Entire Labor of 200,000 Men and Pestilence Lurks in Their Wake." For use in encouraging control of rats in cooperative campaigns. 5¢.

Office of Cooperative Extension Work:

- *Educational charts on agriculture and home economics.—Copies of these charts 12 by 15 inches in size, can be purchased from the Superintendent of Documents Government Printing Office, Washington, D. C., at a price of 5 cents for single charts or any number up to five charts. Five charts are 5 cents. Each additional chart is 1 cent.

- 1.10 Dual purpose breeds of cattle.
- 1.1a. Beef breeds of cattle.
- 1.1b. Beef breeds of cattle.
- 1.2a. Dairy breeds of cattle.
- 1.2b. Dairy breeds of cattle.
- 1.176. Grades of beef, ribs and rounds.
- 1.3a. Breeds of hogs.
- 1.3b. Breeds of hogs.
- 1.33. Comparison of bacon and lard types of hogs.
- 1.40. Light breeds of horses.
- 1.402. Heavy breeds of horses.
- 1.501. Meat breeds of chickens.
- 1.502. General purpose breeds of chickens.
- 1.503. Egg breeds of chickens.
- 1.6. Breeds of sheep.
- 1.271. Milk and butter production.
- 1.2732. Cheese making.
- 1.2737. Cheeses.
- 1.682. More popular lamb cuts.
- 1.384. Pork loins and chops.
- 1.383. Bacon, bacon trimmings, and jowl bacon.
- 1.382. Rough and trimmed ham and shoulder.
- 1.381. Rough and trimmed pork cuts.
- 1.683. Less known lamb cuts.
- 1.681. Wholesale cuts of lamb.
- 2.21. Corn and corn plants.
- 2.22. Corn production.
- 2.23. Pests of corn.
- 2.24. (1) Harvesting corn.
- 2.24. (2) Harvesting corn.
- 2.25. The corn crop.
- 2.26. Seed corn.
- 2.51. Rice.
- 2.52. Rice production.
- 2.01. Four small grains.
- 2.02. Production of small grains.
- 2.03. Pests of small grains.
- 2.04. Harvesting small grains.
- 2.05. Grain marketing.
- 3.01. Some fiber plants.
- 3.20. Fiber flax.
- 3.15. (1) Ginning and marketing cotton.
- 3.15. (2) Cotton producing areas and distributing centers.
- 3.11. The cotton plant.
- 3.12. Cotton production.
- 3.13. Pests and diseases of cotton.
- 3.16. Cotton improvement.
- 3.172a. Cotton manufacturing.
- 3.172b. Cotton manufacturing.
- 3.72. Wool production.

Publications preceded by an asterisk (*) are not for free distribution.

Office of Cooperative Extension Work—Continued.

- 8.31. Some grades of wool.
- 8.32. Some types of weaves.
- 8.35. Some points in fitting dresses and blouses with set-in sleeves.
- 5.272. Some things to remember in judging fabrics.
- 5.72. Dried fruit industry.
- 5.74. Potato cultivation and planting.
- 5.80. Potato spraying and harvesting.
- 5.090. Sweet potatoes.
- 5.099. Storage of fruits and vegetables for home use—1.
- 5.561. Storage of fruits and vegetables for home use—2.
- 5.565. Dryness in citrus fruits.
- 5.79. Appearance and quality of citrus fruit.
- 6.12. Some causes of potato waste.
- 6.22. Sugarcane.
- 6.32a. Sugar beet.
- 6.32b. Cigar tobacco.
- 6.91. Flue-cured tobacco.
- 7.78. Buckwheat and arrow root.
- 7.70. Veneer and its use in furniture construction.
- 7.77. Furniture woods.
- 8.104. How lumber may be cut.
- 8.10. In days of plenty provide for the lean months.
- 8.21a. A well-planned farm food supply.
- 8.21b. Good sources of vitamins A and D.
- 8.04. Good sources of vitamins B and C.
- 8.271. Federal law demands truthful labels.
- 8.272. Bone growth begins before birth.
- 8.273. Poorly built bones go wrong.
- 8.273b. The teeth and their structure.—1. (Photographs.)
- 8.274. The teeth and their structure.—2. (Diagrams.)
- 8.275. The development of the teeth illustrated by X rays of the jaws of children.
- 8.276. The development of the teeth illustrated by X rays of the jaws.
- 8.278. Premature loss of temporary teeth may deform the jaws.
- *Film strips in series covering a variety of agricultural and home economics subjects accompanied with supplementary notes for lecture use. A price list of available film strips may be obtained from the Office of Cooperative Extension Work.

Forest Service:

- *Colored posters, Prevent Forest Fires—It Pays, shows against a red background the blackened remains of forest trees after fire has passed through. Single copies 5¢.
- *Colored posters, Everybody Loses When Timber Burns, shows against a red background the blackened tree trunks left by a forest fire. Single copies 5¢.
- *Colored poster, Fire—The Outlaw, Don't Turn Him Loose, shows a large red wolf on a black background with a fringe of burned trees. Single copies 5¢.

Bureau of Home Economics:

- *Account book. Record of family expenditures. (loose leaf) 50¢. Separate sheets, 1 cent each.
- *Composition of food material. Set of 15 colored charts, 24 by 18 inches \$1 a set.
- *The convenient kitchen. Set of black and white charts, 16 by 20 inches. 50¢ per set.
- *Children's diets. Photographic prints 2 sets, 4 each in two sizes; set 1, White children; set 2, Negro children; set of 4, 72¢.
- *Food selection and meal planning. Set of 8 black and white charts, 18 by 23 inches. 50¢ per set.
- *100 Caloric portions of a few familiar foods; 1 chart 23 by 17 inches showing pen and ink sketches of 20 foods. 10¢.
- *Household refrigeration. Set of 6 black and white charts, 16 by 20 inches. 20¢ per set.
- *Nutrition. Set of 9 black and white charts, 15 by 23 inches. 50¢ per set.

Office of Information:

- *Photographs of plants, animals, insects, and other subjects like or similar to illustrations in department publications. Office of Information, United States Department of Agriculture, 5 by 7, 9¢, 6½ by 8½, 12¢, 8 by 10, 18¢ each.
- *Photographs of weed seed found in commercial seed, 6½ by 8½. 15 in set, \$1.80.

Bureau of Public Roads:

- *Desk-size map showing the numbered system of United States Highways. 15¢.
- *Progress maps showing the status of improvement of the Federal-aid highway system in the 48 States. 112 sheets at 10¢ per sheet.

Publications preceded by an asterisk (*) are not for free distribution.

Weather Bureau:

- Educational series (free to principals and teachers of high schools).—
 Cloud forms (12 half-tone plates).
 Wind barometer table (leaflet).
 The Weather Bureau (descriptive pamphlet).
 Explanation of the Weather Map (leaflet).
 Sample copy of Washington Daily Weather Map.
 The educational series may be obtained by others, at 10¢ per set; 15¢ foreign.
- * Weather maps series.—(1) Barometer table, (2) Explanation of weather map and sample weather map, (3) Cloud chart, (4) The Weather Bureau, pamphlet descriptive of work of bureau. 10¢ per set.
 - * Daily weather map (Form C), first edition; shows weather conditions for United States and forecast for States east of Mississippi River, except Illinois, Wisconsin, Indiana and upper and lower Michigan. Issued daily except Sundays and holidays at Washington, D. C. 25¢ per month.
 - * Daily weather map (Form C) second edition, shows weather conditions for United States and forecast for all States. Issued daily at Washington, D. C. 30¢ per month, \$3 per year.
 - * Daily weather map (Map DD) shows weather conditions and forecasts issued, except Sundays and holidays, at about 65 stations in United States. 20¢ per month, \$2 per year.
 - * Copies of the Daily weather maps can not be furnished in quantities unless the order is placed with the Superintendent of Documents in advance of issue and are sold at 1¢ each.
 - * Climatic charts for United States; 12 in series; (1) normal annual precipitation; (2) average number of days with precipitation; (3) normal annual temperature; (4) normal January temperature; (5) normal July temperature; (6) highest temperature ever observed; (7) lowest temperature ever observed; (8) mean relative humidity (per cent) January, 8 a. m., 75th meridian time; (9) mean relative humidity (per cent) January, 8 p. m., 75th meridian time; (10) mean relative humidity (per cent), July, 8 a. m., 75th meridian time; (11) mean relative humidity (per cent), July, 8 p. m., 75th meridian time; (12) average minimum temperature (Fahrenheit), January. Single charts 5¢ each, 50¢ per set.
 - * Blank Weather Maps for use in meteorological studies will be furnished on receipt of price, viz, Washington base maps (Form C, 19 by 24 inches), \$1 per 100; station base maps (Maps DD, 11 by 16 inches), 25¢ per 100. Blank maps being of the nature of supplies, can not be furnished free. Draft or money order must be made payable to Disbursing Clerk, U. S. Department of Agriculture, Washington, D. C., and forwarded with order to U. S. Weather Bureau, Washington, D. C. When more than 50 blank Washington base maps (Form C, 19 by 24 inches) or more than 150 blank stations base maps (Maps DD, 11 by 16 inches), are ordered at one time shipment has to be made by express "collect" for express charges, and must be so authorized by purchaser. Full shipping instructions must accompany the order.

FOR FREE DISTRIBUTION**Bureau of Agricultural Economics:**

Posters entitled "We sell U. S. Government Graded and Stamped Beef." Issued to meat retailers who are handling U. S. graded beef. Colored posters showing type animals of the official grades of live animals; "U. S. Grades for Slaughter Steers" and "U. S. Grades for Heifers."

Colored poster "U. S. Grades for Cannery Tomatoes," showing types of three grades.

Colored charts showing United States standards and grades for eggs. This brings out differences in egg equality as seen before the candle.

Bureau of animal Industry:

Pictures of improved livestock: (1) Judging dairy cows at a community picnic; (2) Purebred Percheron stallion; (3) Southdown sheep for mutton production; (4) Little pigs; (5) Flock of White Wyandottes; (6) Herd of accredited dairy cattle; (7) Angora goats; (8) Morgan horse; (9) Club boy with beef cattle; (10) Mules.

Posters showing the value of using good sires in breeding work: (1) Value of purebreds; (2) Ten points in better feeding; (3) For the children's sake; (4) Which way is your livestock going? (5) Purebred sires and herd improvement; (6) Standardbred poultry pays best; (7) 48 per cent more money from purebreds; (8) Use more purebred sires (sheep); (9) Mold your animals; (10) Well-bred cattle yield most meat (steers).

Posters showing causes or symptoms of livestock diseases, methods of prevention, and eradication: Scabies, 1 poster; hog cholera, 2; tuberculosis, 3.

Map of the United States showing extent of bovine tuberculosis.

Poster illustrating and describing life cycle of common sheep liver fluke.

Poster showing roundworm's journey through the hog.

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Bureau of animal industry—Continued.

Poster showing the effect of the cattle tick on the appearance of the animal.

Posters on eggs and poultry: (1) Produce infertile eggs! (2) Do you know a good egg? (3) Hatch early—why it pays; and (4) Attend poultry shows.

Colored poster showing how to buy good beef.

Bureau of Entomology:

Help fight the European corn borer.

Posters showing insect pests and their work and method of control; (1) Grasshopper; (2) Potato Beetle; (3) Wheat Joint Worm; (4) Chalcis-fly; (5) Hessian fly; (6) Spray Potato Fields.

Forest Service:

Small map (in colors) showing national forests and related reservations in United States.

Small map, showing in green the natural forest regions of the United States.

Colored poster, Pines Pay, prepared for distribution in the South, shows the interior of a long-leaf pine forest.

Colored poster, Pines Pay, prepared for distribution in the North, shows the interior of white pine forest.

Colored poster, Good Farm Practice—Keep Stock Out of Woods—It Pays.

Colored poster, Prevent Forest Fires—It Pays.

Colored poster, Everybody Loses When Timber Burns.

Colored poster, Fire—The Outlaw—Don't Let Him Loose on the Forests.

Poster, The Farm Woods a Saving Bank Paying Interest. Prepared for distribution in the North.

Poster, The Farm Woods a Saving Bank Paying Interest. Prepared for distribution in the South.

Poster, The Unburned Woods—Nature's Timber Treasure House—Home of Life and Beauty.

Bureau of Plant Industry:

Colored posters showing life cycles of black stem rust and its host plants wheat and common barberry.

Colored posters of white pine blister rust for schools in white pine States, New England, New Jersey, New York, Pennsylvania, Michigan, Wisconsin, Minnesota.

Bureau of Public Roads:

Information series.—Drawings and mimeographed pamphlets describing the methods of building various types of farm structures and conveniences such as windmills, electric lighting plants, other lighting systems, well-drilling machinery, garbage and refuse disposal, clearing land, and farm buildings of various kinds.

Desk size map showing the Federal-aid highway system.

MATERIAL LENT

The following material is grouped according to bureaus and is lent to persons or organizations who will pay transportation charges. Sizes, weights, and any other information concerning this material will be furnished on request by the bureaus issuing it.

Bureau of Animal Industry:

Exhibits, 15 in number, dealing with tuberculosis in livestock and consisting of lantern slides, illustrated panels, specimens of tissues, colored maps and charts mounted on cloth.

Exhibits on hog-cholera control, two in number, both containing illustrated panels and one containing, in addition, six specimens of hog cholera and six of foot-and-mouth disease.

Exhibits, seven in number, on the following livestock parasites, these exhibits consisting of illustrated panels and charts mounted on cloth: Stomach worms and external parasites of sheep, roundworms of swine, and method of treating hookworms in dogs.

Exhibits on improving livestock: (Panels and models) (1) Better feeding; (2) Two steers on the same trail (good and common steers from range to retail beef); (3) Know good beef; (4) Experimental swine equipment; (5) Health sticks to clean chicks; (6) Better sires; Sheep equipment. (Charts mounted on cloth): (1) Poultry management, 7 charts; (2) Flushing ewes, 1.

Exhibit on meat inspection, consisting of illustrated panels and specimens of tissues.

Forest Service:

Set of colored lantern slides accompanied by lecture outlines and covering 14 subjects.

Traveling school exhibits, Our Forests, What they Mean to Us. (Sets of 48 enlarged photographs showing forests of the United States, how they are used and how they may be preserved; 12 series of 4 pictures each.)

Traveling school exhibits, Forestry in Nature Study. (Sets of 48 enlarged photographs suitable for use in nature-study work; 12 series of 4 pictures each.)

Publications preceded by an asterisk (*) are not for free distribution.

Forest Service—Continued.

Traveling school exhibits, Farm Woodlands. (Set of 28 enlarged photographs on management of farm woodlands; 7 series of 4 pictures each.)

Set of wood samples, showing 30 representative American woods prepared for educational purposes and loaned to teachers for short periods.

Exhibit material of a general nature is available for the use of high schools and colleges, in the form of colored panels, both large and small, dealing with woodland improvement, forest fires, lumbering, the use of the national forests, and studies of long-leaf, short-leaf, loblolly, slash, Norway, and white pines.

Colored bromides and transparencies on turpentine, planting, second growth, forest-fire equipment, scenery, forest fires, erosion, denuded areas, and slogans for care with fire.

WEATHER**Farmers' Bulletins:**

1588 F. Frost and the prevention of frost damage. 10¢

Miscellaneous Publications:

71 M. P. Weather forecasting from synoptic charts. 20¢.

Miscellaneous Circular:

81 M. C. Relations between crop yields and precipitation in Great Plains area. 30¢.

Yearbook Separate:

*918 Y. Weather and agriculture. 20¢.

Miscellaneous:

*Annual report of Weather Bureau containing summary of meteorological data from Weather Bureau stations (buckram), \$1.

*Cloud forms; 12 half-tone plates 20 by 26 inches. 5¢.

*Cloud forms, descriptive pamphlet with half-tone plates. 25¢.

*Relation between precipitation over watershed of Ohio River above and streamflow at Cincinnati. Weather Bul. 40. 15¢.

*Forecasting frost in North Pacific States. Weather Bul. 41. 10¢.

*Weather forecasting, with introductory notes on atmospheric. Weather Bul. 42. 5¢.

*Climate of San Francisco. Weather Bul. 44. 5¢.

Frost and temperature conditions in cranberry marshes of Wisconsin, H. J. Cox Weather Bureau bulletin T. 20¢.

Circular series:

*Instructions for obtaining and tabulating records from recording instruments. Weather Cir. A. 10¢.

*Instructions for cooperative observers. Weather Cir. B and C. 10¢.

*Instructions for installation and maintenance of wind measuring and recording apparatus. Weather Cir. D. 15¢.

*Instructions for wiring meteorological instruments. Appendix 2, Weather Cir. D. 15¢.

*Measurements of precipitation. Weather Cir. E. 5¢.

*Barometers and measurement of atmospheric pressure. Weather Cir. F. 15¢.

*Care and management of electrical sunshine recorders. Weather Cir. G. 5¢.

*Instructions for erecting and using Weather Bureau Neposcope, 1919 pattern. Weather Cir. I. 10¢.

*Instructions for installation and maintenance of Marvin water stage registers with specifications. Weather Cir. J. 10¢.

*Instructions for installation and operation of class A evaporation stations. Weather Cir. L. 10¢.

*Instructions to marine meteorological observers. Weather Cir. M. 15¢.

*Instructions for making pilot balloon observations. 1928. 66 pages. illus. Weather Bureau, Aerological Division. Circular O. 20¢.

Instructions for making aerological observations. Weather Cir. P. 20¢.

*Aerology Nos. 2, 4, 5, 6, 7, 8, 9, and 10. Weather Review Sup. Nos. 5, 8, 10, 11, 12, 13, 14, and 15, respectively. 25¢ each.

*River stages at river-gage stations on principal rivers of the United States, 1919. Volume 17. 50¢.

*Same for 1920. Volume 18. 25¢.

*Same for 1921. Volume 19. 40¢.

*Same for 1922. Volume 20. 40¢.

*Same for 1923. Volume 21. 35¢.

*Same for 1924. Volume 22. 35¢.

*Same for 1925. Volume 23. 50¢.

*Same for 1926. Volume 24. 50¢.

*Same for 1927. Volume 25. 35¢.

*Same for 1928. Volume 26. 60¢.

*Psychrometric tables for obtaining the vapor pressure, relative humidity, and temperature of the dew point. W. B. 235. 10¢.

*Same, abridged separates, pressure 23, 25, 27, 29, and 30 inches. 5¢.

*Summaries of climatological data for United States by sections, 106 separate parts, each based on data from the beginning of observations to end of 1920. Weather Bul. W. 5¢ for each part; \$3 for set.

Publications preceded by an asterisk (*) are not for free distribution.

Monthly Weather Review Supplements:

- *Relative humidities and vapor pressures over the United States, including discussion of data from recording hair hygrometers. Sup. 6. 25¢.
- *Predicting minimum temperatures from hygrometric data. Sup. 16. 25¢.
- *Stream-flow experiment at Wagon Wheel Gap, Colo. Sup. 17. 25¢. See Supplement No. 30.
- *Bibliography of the climate of South America. Sup. 18. 15¢.
- Thermal belts and fruit growing in North Carolina by H. J. Cox with an appendix by W. N. Hutt; Thermal belts from the horticultural viewpoint. Sup. 19. 50¢.
- *Preparation and significance of free-air pressure maps for central and eastern United States. Sup. 21. 25¢.
- *Spring floods of 1922. Sup. 22. 25¢.
- *Temperature of Mexico. Sup. 23. 25¢.
- *West Indian hurricanes and other tropical cyclones of the North Atlantic Ocean. Sup. 24. 25¢.
- *Normals of daily temperature for United States. Sup. 25. 20¢.
- *An aerological survey of the United States. Part II. Sup. 26. 20¢.
- Montezuma pyrhelometry by C. G. Abbot. Sup. 27. 20¢.
- Climatology of the Tropical Islands of the Pacific Ocean (Oceania). Sup. 28. 10¢.
- The floods of 1927 in the Mississippi Basin by H. C. Frankenfield and others. Sup. 29. 25¢.
- Forest and streamflow experiments at Wagon Wheel Gap, Colo., by Bates and Henry. Sup. 30. 25¢.
- Climatological data for northern and western tropical South America by W. W. Reed. Sup. 31. 10¢.
- Climatological data for southern South America by W. W. Reed. Sup. 32. 10¢.
- Climate of Mexico by John L. Page. Sup. 33. 15¢.
- Daily normals of rainfall. Sup. 34. (In press.)

WEEDS**Farmers' Bulletins:**

- 660 F. Weeds, how to control them. 5¢.
- 687 F. Eradication of ferns from pasture lands in eastern United States. 5¢.
- 1002 F. Canada thistle and methods of eradication. 5¢.
- 1054 F. The loco-weed disease. 5¢.
- 1161 F. Dodder. 5¢.
- 1307 F. Quack grass. 5¢.
- 1537 F. Johnson grass as a weed. 5¢.
- 1544 F. Common barberry and black stem rust. 5¢.

Department Bulletins:

- *1316 D. Some effects of sodium arsenite when used to kill the common barberry. 10¢.
- *1451. D. Methods of eradicating the common barberry. 20¢.

Department Circulars:

- *108 DC. Chicory, control and eradication. 5¢.
- *130 DC. Hawkweed, or paintbrushes. 5¢.
- *165 DC. Lawn pennywort, new weed. 5¢.
- *188 DC. Progress of barberry eradication. 10¢.
- *268 DC. Kill the common barberry with chemicals. 5¢.
- *269 DC. Barberry eradication prevents black rust in western Europe.
- *332 DC. Chemical eradication of common barberry. 5¢.
- 356 DC. Common barberry and how to kill it. 5¢.

Miscellaneous Publication:

- 7 MP. Bread or barberries. 5¢.

Leaflet:

- 43 L. Wild garlic and its control. 5¢.

Yearbook Separates:

- 999 Y. Barberry eradication reducing stem rust losses in wide areas. 5¢.
- 1019 Y. Weed control aided by research at experiment stations. 5¢.

WHEAT**Farmers' Bulletins:**

- 596 F. Culture of winter wheat in eastern United States. 5¢.
- 678 F. Growing hard spring wheat. 5¢.
- 885 F. Wheat growing in Southeastern States. 5¢.
- 1041 F. Eelworm diseases of wheat and its control. 5¢.
- 1168 F. Varieties of winter wheat adapted to eastern United States. 5¢.
- 1224 F. Wheat-scab and its control. 5¢.
- 1281 F. Hard red spring wheats. 5¢.
- 1301 F. Common white wheats. 5¢.
- 1303 F. Club wheats. 5¢.
- 1304 F. Durum wheats. 5¢.
- 1305 F. Soft red winter wheats. 5¢.
- 1323 F. Wheat strawworm and its control. 5¢.

Publications preceded by an asterisk (*) are not for free distribution.

Farmers' Bulletins—Continued.

- 1340 F. Polish and poulard wheats. 5¢.
 1414 F. Rosette diseases of wheat and its control. 5¢.
 1585 F. Varieties of hard red winter wheat. 5¢.
 1607 F. Nematode disease in wheat and rye. 5¢.

Department Bulletins:

- *328 D. Milling and baking tests of wheat containing admixtures of rye, corn, cockle, kingshead, and vetch. 10¢.
 *357 D. Alaska and Stoner, or "miracle," wheats. 5¢.
 *400 D. Experiments with Marquis wheat. 10¢.
 *450 D. Improvement of Ghirka spring wheat in yield and quality. 5¢.
 *455 D. Drying for milling purposes of damp and garlicky wheat. 5¢.
 *478 D. Origin, characteristics, and quality of humpback wheat. 5¢.
 *522 D. Characteristics and quality of Montana-grown wheat. 10¢.
 *557 D. Comparison of several classes of American wheats and considerations of some factors influencing quality. 5¢.
 *594 D. Geography of wheat prices, summary of conditions affecting farm prices of wheat. 20¢.
 *618 D. Experiments with durum wheat. 10¢.
 734 D. Nematode galls as factor in marketing and milling wheat. 5¢.
 *842 D. Nematode disease of wheat caused by *Tylenchus tritici*. 20¢.
 *877 D. Australian wheat varieties in the Pacific coast area. 10¢.
 *878 D. Varietal experiments with spring wheat on the northern Great Plains. 15¢.
 *1004 D. Use of water by spring wheat on Great Plains. 10¢.
 *1046 D. Rust resistance in winter wheat varieties. 20¢.
 *1094 D. Method of winter-wheat production at Fort Hays branch station. 5¢.
 *1137 D. Symptoms of wheat rosette compared with those produced by certain insects. 5¢.
 1139 D. Storage of water in soil and its utilization by spring wheat. 5¢.
 *1173 D. Experiments in wheat production on the dry lands of western United States. 10¢.
 1183 D. Milling and baking experiments with American wheat varieties. 15¢.
 1192 D. Improvement of Kubanka durum wheat by pure-line selection. 5¢.
 1198 D. Cost of producing winter wheat in central Great Plains of United States. 10¢.
 *1239 D. Studies in physiology and control of bunt, or stinking smut of wheat. 10¢.
 *1276 D. Varietal experiments with hard red winter wheats in dry areas of western United States. 10¢.
 *1299 D. Relative resistance of wheat to bunt in Pacific Coast States. 5¢.
 1347 D. Foot-rot diseases of wheat in America. 10¢.
 *1361 D. Mosaic disease of winter wheat and winter rye. 5¢.
 1403 D. Segregation and correlated inheritance in Marquis and Hard Federation crosses, with factors for yield and quality of spring wheat in Montana. 15¢.
 1420 D. Relation of kernal texture to physical characteristics, milling, baking qualities, and chemical composition of wheat. 5¢.
 1446 D. Cost of producing winter wheat and incomes from wheat farming in Sherman County, Oreg. 10¢.
 *1460 D. Testing wheat for protein with recommended method for making the test. 5¢.
 1498 D. Distribution of the classes and varieties of wheat in the United States. 20¢.

Technical Bulletins:

- 6 TB. Heat-damaged wheat. 10¢.
 33 TB. Rate and date of seeding and seed bed preparation for winter wheat at Arlington Experiment Farm. 5¢.
 38 TB. Inheritance of awniness, yield, and quality in crosses between Bobs, Hard Federation, and Propo wheats, at Davis, Calif. 10¢.
 136 T. Breeding hard red winter wheats for winter hardiness and high yield. 5¢.
 197 T. Milling and baking qualities of world wheat. 35¢.

Department Circulars:

- *186 DC. Occurrence of wheat downy mildew in United States, with list of literature cited. 5¢.
 *273 DC. Flag smut of wheat. 5¢.
 *280 DC. Kota wheat. 5¢.
 *305 DC. Electrochemical treatment of seed wheat. 5¢.
 365 DC. Relative susceptibility of spring-wheat varieties to stem rust. 5¢.
 *378 DC. Comparative hardiness of winter-wheat varieties. 5¢.
 *394 DC. Copper carbonate prevents bunt (stinking smut) of wheat. 5¢.
 424 DC. Further studies on flag smut of wheat. 5¢.

Publications preceded by an asterisk (*) are not for free distribution.

Miscellaneous Circulars:

*95 MC. Unclean seed wheat causes loss of millions; to control losses clean all seed wheat. 5c.

108 MC. Copper carbonate seed treatment for stinking smut of wheat. 5c.

Circular:

31 C. Removing smut from Pacific Northwest wheat by washing. 5c.

Miscellaneous Publications:

95 MP. World wheat outlook, 1930. 10c.

96 MP. Feeding wheat to livestock. 5c.

Leaflets:

33 L. The combination cleaning and treating of seed wheat. 5c.

Yearbook Separates:

*49 Y. Hard wheats winning their way. 10c.

72 Y. World's supply of wheat. 5c.

*93 Y. Farm practices in growing wheat. 10c.

*54 Y. Cost of a bushel of wheat. 5c.

*373 Y. Wheat production and marketing. 10c.

*51 Y. Barberry eradication in wheat areas. 5c.

*56 Y. Wheat varieties for western United States. 5c.

*97 Y. Wheat breeding for resistance to leaf rust. 5c.

*59 Y. Wheat mosaic control through immune strains. 5c.

*63 Y. Wheats highly resistant to loose smut. 5c.

*64 Y. Wheat varieties resistant to stinking smut. 5c.

YEARBOOK

Distribution of the greater number of Yearbooks is controlled by Members of Congress. Apply either to your Senator or Representative in Congress or to the United States Department of Agriculture. However, the Department's edition is barely sufficient to supply its employees and cooperators. On November 1, 1930, copies were available for the following years. Those indicated by a star are for sale only.

*1895.....	\$0.55	*1915.....	\$0.70
*1897.....	.60	*1916.....	1.05
*1899.....	.75	*1917.....	1.00
*1900.....	.75	*1918.....	.85
*1901.....	.80	*1919.....	1.00
*1902.....	.85	*1920.....	1.25
*1903.....	.75	*1921.....	1.25
*1906.....	1.00	*1922.....	1.25
*1907.....	1.00	*1923.....	1.25
*1908.....	1.25	*1924.....	1.50
*1909.....	1.00	*1925.....	1.50
*1910.....	1.00	1926.....	1.50
*1911.....	1.00	1927.....	1.50
*1912.....	1.00	1928.....	1.50
*1913.....	.75	1930.....	1.50
*1914.....	.75		



